

**R134a Discus**

**Discus Semi-Hermetic Compressors**

**KW (50Hz)**

|          | Cond<br>Temp.<br>°C | Cooling Capacity at 20°C suction return temperature |     |     |     |     |     |      |      |       |       |       |       |       |       |       |
|----------|---------------------|-----------------------------------------------------|-----|-----|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|
|          |                     | Evaporating Temperature °C                          |     |     |     |     |     |      |      |       |       |       |       |       |       |       |
|          |                     | -50                                                 | -45 | -40 | -35 | -30 | -25 | -20  | -15  | -10   | -5    | 0     | 5     | 7     | 10    | 12.5  |
| D2DL-40X | 30                  |                                                     |     |     |     |     |     | 4.90 | 6.50 | 8.40  | 10.70 | 13.35 | 16.40 | 17.80 | 20.00 | 22.00 |
|          | 35                  |                                                     |     |     |     |     |     | 4.45 | 6.00 | 7.80  | 9.95  | 12.45 | 15.40 | 16.70 | 18.80 | 20.70 |
|          | 40                  |                                                     |     |     |     |     |     | 4.05 | 5.50 | 7.20  | 9.20  | 11.60 | 14.35 | 15.60 | 17.50 | 19.30 |
|          | 45                  |                                                     |     |     |     |     |     | 3.65 | 5.00 | 6.60  | 8.50  | 10.70 | 13.30 | 14.45 | 16.30 | 17.90 |
|          | 50                  |                                                     |     |     |     |     |     | 3.25 | 4.55 | 6.00  | 7.75  | 9.80  | 12.20 | 13.25 | 15.00 | 16.50 |
|          | 55                  |                                                     |     |     |     |     |     | 2.90 | 4.10 | 5.45  | 7.05  | 8.95  | 11.10 | 12.10 | 13.65 | 15.10 |
|          | 60                  |                                                     |     |     |     |     |     | 2.58 | 3.65 | 4.90  | 6.35  | 8.05  | 10.00 | 10.90 | 12.30 | 13.55 |
|          | 62                  |                                                     |     |     |     |     |     |      |      | 4.70  | 6.10  | 7.70  | 9.55  | 10.40 | 11.75 | 12.95 |
| D2DL-75X | 30                  |                                                     |     |     |     |     |     |      |      |       |       |       |       |       |       |       |
|          | 35                  |                                                     |     |     |     |     |     |      |      |       |       |       |       |       |       |       |
|          | 40                  |                                                     |     |     |     |     |     |      |      |       |       | 11.55 | 14.30 | 15.50 | 17.50 | 19.30 |
|          | 45                  |                                                     |     |     |     |     |     |      |      |       |       | 10.70 | 13.35 | 15.50 | 16.40 | 18.10 |
|          | 50                  |                                                     |     |     |     |     |     |      |      |       |       | 9.95  | 12.40 | 13.50 | 15.20 | 16.80 |
|          | 55                  |                                                     |     |     |     |     |     |      |      |       |       | 9.15  | 11.45 | 12.50 | 14.15 | 15.60 |
|          | 60                  |                                                     |     |     |     |     |     |      |      |       |       | 8.40  | 10.55 | 11.50 | 13.05 | 14.40 |
|          | 65                  |                                                     |     |     |     |     |     |      |      |       | 7.65  | 9.65  | 10.50 | 11.95 | 13.20 |       |
| D2DB-50X | 30                  |                                                     |     |     |     |     |     | 6.15 | 8.15 | 10.50 | 13.25 | 16.50 | 20.20 | 21.90 | 24.60 | 27.00 |
|          | 35                  |                                                     |     |     |     |     |     | 5.70 | 7.55 | 9.75  | 12.40 | 15.50 | 19.00 | 20.60 | 23.20 | 25.50 |
|          | 40                  |                                                     |     |     |     |     |     | 5.20 | 6.95 | 9.05  | 11.55 | 14.45 | 17.80 | 19.30 | 21.80 | 23.90 |
|          | 45                  |                                                     |     |     |     |     |     | 4.70 | 6.40 | 8.35  | 10.70 | 13.45 | 16.60 | 18.00 | 20.30 | 22.30 |
|          | 50                  |                                                     |     |     |     |     |     | 4.25 | 5.85 | 7.70  | 9.85  | 12.40 | 15.30 | 16.70 | 18.80 | 20.70 |
|          | 55                  |                                                     |     |     |     |     |     | 3.80 | 5.30 | 7.00  | 9.00  | 11.35 | 14.05 | 15.30 | 17.20 | 19.00 |
|          | 60                  |                                                     |     |     |     |     |     | 3.40 | 4.75 | 6.35  | 8.15  | 10.25 | 12.75 | 13.85 | 15.60 | 17.20 |
|          | 62                  |                                                     |     |     |     |     |     |      |      | 6.05  | 7.80  | 9.85  | 12.20 | 13.25 | 14.95 | 16.50 |
| D2DB-75X | 30                  |                                                     |     |     |     |     |     |      |      |       |       |       |       |       |       |       |
|          | 35                  |                                                     |     |     |     |     |     |      |      |       |       |       |       |       |       |       |
|          | 40                  |                                                     |     |     |     |     |     |      |      |       |       | 13.70 | 16.90 | 18.40 | 20.70 | 22.70 |
|          | 45                  |                                                     |     |     |     |     |     |      |      |       |       | 12.75 | 15.80 | 17.20 | 19.30 | 21.30 |
|          | 50                  |                                                     |     |     |     |     |     |      |      |       |       | 11.85 | 14.70 | 16.00 | 18.00 | 19.90 |
|          | 55                  |                                                     |     |     |     |     |     |      |      |       |       | 10.95 | 13.60 | 14.80 | 16.70 | 18.40 |
|          | 60                  |                                                     |     |     |     |     |     |      |      |       |       | 10.05 | 12.50 | 13.60 | 15.40 | 17.00 |
|          | 65                  |                                                     |     |     |     |     |     |      |      |       | 9.15  | 11.45 | 12.45 | 14.10 | 15.60 |       |
| D3DA-50X | 30                  |                                                     |     |     |     |     |     | 7.05 | 9.15 | 11.70 | 14.75 | 18.30 | 22.40 | 24.20 | 27.10 | 29.70 |
|          | 35                  |                                                     |     |     |     |     |     | 6.50 | 8.55 | 10.95 | 13.80 | 17.20 | 21.10 | 22.80 | 25.60 | 28.10 |
|          | 40                  |                                                     |     |     |     |     |     | 5.95 | 7.90 | 10.20 | 12.90 | 16.10 | 19.80 | 21.50 | 24.10 | 26.50 |
|          | 45                  |                                                     |     |     |     |     |     | 5.40 | 7.25 | 9.45  | 12.00 | 15.00 | 18.50 | 20.10 | 22.60 | 24.80 |
|          | 50                  |                                                     |     |     |     |     |     | 4.90 | 6.65 | 8.70  | 11.10 | 13.90 | 17.20 | 18.70 | 21.00 | 23.10 |
|          | 55                  |                                                     |     |     |     |     |     | 4.40 | 6.05 | 7.95  | 10.20 | 12.80 | 15.90 | 17.20 | 19.40 | 21.40 |
|          | 60                  |                                                     |     |     |     |     |     | 3.90 | 5.45 | 7.20  | 9.30  | 11.70 | 14.55 | 15.80 | 17.80 | 19.60 |
|          | 62                  |                                                     |     |     |     |     |     |      |      | 6.95  | 8.95  | 11.25 | 14.00 | 15.20 | 17.10 | 18.90 |
| D3DA-75X | 30                  |                                                     |     |     |     |     |     |      |      |       |       |       |       |       |       |       |
|          | 35                  |                                                     |     |     |     |     |     |      |      |       |       |       |       |       |       |       |
|          | 40                  |                                                     |     |     |     |     |     |      |      |       |       | 16.20 | 20.10 | 21.80 | 24.50 | 27.00 |
|          | 45                  |                                                     |     |     |     |     |     |      |      |       |       | 15.00 | 18.60 | 20.30 | 22.90 | 25.20 |
|          | 50                  |                                                     |     |     |     |     |     |      |      |       |       | 13.85 | 17.30 | 18.80 | 21.20 | 23.40 |
|          | 55                  |                                                     |     |     |     |     |     |      |      |       |       | 12.75 | 15.90 | 17.30 | 19.60 | 21.70 |
|          | 60                  |                                                     |     |     |     |     |     |      |      |       |       | 11.65 | 14.60 | 15.90 | 18.00 | 19.90 |
|          | 65                  |                                                     |     |     |     |     |     |      |      |       |       | 10.60 | 13.30 | 14.50 | 16.40 | 18.20 |



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**R134a Discus**

**Discus Semi-Hermetic Compressors**

**KW (50Hz)**

|           | Cond<br>Temp.<br>°C | Cooling Capacity at 20°C suction return temperature |     |     |     |     |     |       |       |       |       |       |       |       |       |       |
|-----------|---------------------|-----------------------------------------------------|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           |                     | Evaporating Temperature °C                          |     |     |     |     |     |       |       |       |       |       |       |       |       |       |
|           |                     | -50                                                 | -45 | -40 | -35 | -30 | -25 | -20   | -15   | -10   | -5    | 0     | 5     | 7     | 10    | 12.5  |
| D3DC-100X | 30                  |                                                     |     |     |     |     |     |       |       |       |       |       |       |       |       |       |
|           | 35                  |                                                     |     |     |     |     |     |       |       |       |       |       |       |       |       |       |
|           | 40                  |                                                     |     |     |     |     |     |       |       |       |       | 19.30 | 23.80 | 25.80 | 29.00 | 32.00 |
|           | 45                  |                                                     |     |     |     |     |     |       |       |       |       | 18.00 | 22.20 | 24.10 | 27.20 | 29.90 |
|           | 50                  |                                                     |     |     |     |     |     |       |       |       |       | 16.70 | 20.70 | 22.50 | 25.30 | 27.90 |
|           | 55                  |                                                     |     |     |     |     |     |       |       |       |       | 15.40 | 19.10 | 20.80 | 23.50 | 25.90 |
|           | 60                  |                                                     |     |     |     |     |     |       |       |       |       | 14.15 | 17.60 | 19.20 | 21.70 | 23.90 |
|           | 65                  |                                                     |     |     |     |     |     |       |       |       |       | 12.90 | 16.10 | 17.50 | 19.80 | 21.90 |
| D3DC-75X  | 30                  |                                                     |     |     |     |     |     | 8.65  | 11.25 | 14.30 | 17.90 | 22.10 | 27.10 | 29.20 | 33.00 | 36.00 |
|           | 35                  |                                                     |     |     |     |     |     | 8.00  | 10.45 | 13.35 | 16.80 | 20.80 | 25.50 | 27.60 | 31.00 | 34.00 |
|           | 40                  |                                                     |     |     |     |     |     | 7.40  | 9.70  | 12.45 | 15.70 | 19.50 | 23.90 | 25.80 | 29.00 | 32.00 |
|           | 45                  |                                                     |     |     |     |     |     | 6.80  | 8.95  | 11.55 | 14.60 | 18.10 | 22.30 | 24.10 | 27.10 | 29.80 |
|           | 50                  |                                                     |     |     |     |     |     | 6.20  | 8.25  | 10.70 | 13.50 | 16.80 | 20.70 | 22.40 | 25.20 | 27.70 |
|           | 55                  |                                                     |     |     |     |     |     | 5.65  | 7.60  | 9.85  | 12.45 | 15.50 | 19.10 | 20.70 | 23.30 | 25.60 |
|           | 60                  |                                                     |     |     |     |     |     | 5.10  | 6.95  | 9.00  | 11.45 | 14.25 | 17.50 | 19.00 | 21.30 | 23.40 |
|           | 62                  |                                                     |     |     |     |     |     |       | 8.70  | 11.00 | 13.75 | 16.90 | 18.30 | 20.50 | 22.60 |       |
| D3DS-100X | 30                  |                                                     |     |     |     |     |     | 11.25 | 14.55 | 18.50 | 23.20 | 28.60 | 35.00 | 37.50 | 42.00 | 46.50 |
|           | 35                  |                                                     |     |     |     |     |     | 10.45 | 13.60 | 17.30 | 21.70 | 26.90 | 33.00 | 35.50 | 40.00 | 43.50 |
|           | 40                  |                                                     |     |     |     |     |     | 9.70  | 12.70 | 16.20 | 20.40 | 25.30 | 31.00 | 33.50 | 37.50 | 41.00 |
|           | 45                  |                                                     |     |     |     |     |     | 9.00  | 11.85 | 15.20 | 19.10 | 23.70 | 29.00 | 31.50 | 35.00 | 38.50 |
|           | 50                  |                                                     |     |     |     |     |     | 8.35  | 11.05 | 14.15 | 17.80 | 22.10 | 27.10 | 29.40 | 33.00 | 36.00 |
|           | 55                  |                                                     |     |     |     |     |     | 7.75  | 10.30 | 13.25 | 16.70 | 20.60 | 25.30 | 27.40 | 30.50 | 33.50 |
|           | 60                  |                                                     |     |     |     |     |     | 7.25  | 9.65  | 12.35 | 15.50 | 19.20 | 23.50 | 25.40 | 28.50 | 31.50 |
|           | 65                  |                                                     |     |     |     |     |     |       | 12.05 | 15.10 | 18.70 | 22.80 | 24.70 | 27.60 | 30.50 |       |
| D3DS-150X | 30                  |                                                     |     |     |     |     |     |       |       |       |       |       |       |       |       |       |
|           | 35                  |                                                     |     |     |     |     |     |       |       |       |       |       |       |       |       |       |
|           | 40                  |                                                     |     |     |     |     |     |       |       |       |       | 26.10 | 32.00 | 34.50 | 39.00 | 42.50 |
|           | 45                  |                                                     |     |     |     |     |     |       |       |       |       | 24.50 | 30.00 | 32.50 | 36.50 | 40.00 |
|           | 50                  |                                                     |     |     |     |     |     |       |       |       |       | 22.80 | 28.00 | 30.50 | 34.0  | 37.50 |
|           | 55                  |                                                     |     |     |     |     |     |       |       |       |       | 21.20 | 26.00 | 28.20 | 31.50 | 35.00 |
|           | 60                  |                                                     |     |     |     |     |     |       |       |       |       | 19.60 | 24.00 | 26.00 | 29.20 | 32.00 |
|           | 65                  |                                                     |     |     |     |     |     |       |       |       | 17.90 | 22.00 | 23.90 | 26.80 | 29.50 |       |
| D4DA-100X | 30                  |                                                     |     |     |     |     |     | 13.80 | 17.60 | 22.10 | 27.50 | 33.50 | 41.00 | 44.00 | 49.50 | 54.00 |
|           | 35                  |                                                     |     |     |     |     |     | 12.80 | 16.40 | 20.60 | 25.60 | 31.50 | 38.50 | 41.50 | 46.50 | 50.50 |
|           | 40                  |                                                     |     |     |     |     |     | 11.75 | 15.10 | 19.10 | 23.80 | 29.30 | 36.00 | 38.50 | 43.00 | 47.50 |
|           | 45                  |                                                     |     |     |     |     |     | 10.70 | 13.85 | 17.60 | 22.00 | 27.10 | 33.00 | 36.00 | 40.00 | 44.00 |
|           | 50                  |                                                     |     |     |     |     |     | 9.65  | 12.60 | 16.10 | 20.20 | 24.90 | 30.50 | 33.00 | 37.00 | 40.50 |
|           | 55                  |                                                     |     |     |     |     |     | 8.55  | 11.35 | 14.60 | 18.40 | 22.80 | 27.90 | 30.00 | 34.00 | 37.00 |
|           | 60                  |                                                     |     |     |     |     |     | 7.50  | 10.15 | 13.10 | 16.60 | 20.60 | 25.30 | 27.40 | 30.50 | 34.00 |
|           | 65                  |                                                     |     |     |     |     |     |       | 12.55 | 15.90 | 19.70 | 24.20 | 26.20 | 29.50 | 32.50 |       |
| D4DA-200X | 30                  |                                                     |     |     |     |     |     |       |       |       |       |       |       |       |       |       |
|           | 35                  |                                                     |     |     |     |     |     |       |       |       |       |       |       |       |       |       |
|           | 40                  |                                                     |     |     |     |     |     |       |       |       |       | 29.90 | 36.50 | 39.50 | 44.00 | 48.50 |
|           | 45                  |                                                     |     |     |     |     |     |       |       |       |       | 28.00 | 34.00 | 37.00 | 41.50 | 45.50 |
|           | 50                  |                                                     |     |     |     |     |     |       |       |       |       | 26.00 | 32.00 | 34.50 | 38.50 | 42.50 |
|           | 55                  |                                                     |     |     |     |     |     |       |       |       |       | 24.10 | 29.50 | 32.00 | 36.00 | 39.50 |
|           | 60                  |                                                     |     |     |     |     |     |       |       |       |       | 22.10 | 27.20 | 29.40 | 33.00 | 36.50 |
|           | 65                  |                                                     |     |     |     |     |     |       |       |       |       | 20.10 | 24.80 | 26.90 | 30.50 | 33.50 |



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**Discus Semi-Hermetic Compressors**

**KW (50Hz)**

|           | Cond<br>Temp.<br>°C | Cooling Capacity at 20°C suction return temperature |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|-----------|---------------------|-----------------------------------------------------|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|           |                     | Evaporating Temperature °C                          |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           |                     | -50                                                 | -45 | -40 | -35 | -30 | -25   | -20   | -15   | -10   | -5    | 0     | 5     | 7     | 10    | 12.5 |
| D4DH-150X | 30                  |                                                     |     |     |     |     | 15.90 | 20.70 | 26.40 | 33.00 | 41.00 | 50.00 | 54.00 | 60.50 | 66.50 |      |
|           | 35                  |                                                     |     |     |     |     | 14.55 | 19.10 | 24.50 | 31.00 | 38.00 | 47.00 | 50.50 | 57.00 | 62.50 |      |
|           | 40                  |                                                     |     |     |     |     | 13.25 | 17.50 | 22.60 | 28.60 | 35.50 | 44.00 | 47.50 | 53.00 | 58.50 |      |
|           | 45                  |                                                     |     |     |     |     | 11.95 | 16.00 | 20.80 | 26.40 | 33.00 | 40.50 | 44.00 | 49.50 | 54.50 |      |
|           | 50                  |                                                     |     |     |     |     | 10.70 | 14.50 | 19.00 | 24.20 | 30.50 | 37.50 | 40.50 | 46.00 | 50.50 |      |
|           | 55                  |                                                     |     |     |     |     | 9.45  | 13.05 | 17.20 | 22.10 | 27.80 | 34.50 | 37.50 | 42.00 | 46.50 |      |
|           | 60                  |                                                     |     |     |     |     | 8.20  | 11.60 | 15.50 | 20.00 | 25.20 | 31.50 | 34.00 | 38.50 | 42.50 |      |
|           | 62                  |                                                     |     |     |     |     |       |       | 14.85 | 19.20 | 24.20 | 30.00 | 32.50 | 37.00 | 40.50 |      |
| D4DH-250X | 30                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 35                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 40                  |                                                     |     |     |     |     |       |       |       |       | 37.50 | 46.00 | 49.50 | 55.50 | 61.00 |      |
|           | 45                  |                                                     |     |     |     |     |       |       |       |       | 35.50 | 43.00 | 46.50 | 52.00 | 57.00 |      |
|           | 50                  |                                                     |     |     |     |     |       |       |       |       | 33.00 | 40.00 | 43.50 | 48.50 | 53.50 |      |
|           | 55                  |                                                     |     |     |     |     |       |       |       |       | 30.50 | 37.50 | 40.50 | 45.00 | 49.50 |      |
|           | 60                  |                                                     |     |     |     |     |       |       |       |       | 28.10 | 34.50 | 37.00 | 41.50 | 46.00 |      |
|           | 65                  |                                                     |     |     |     |     |       |       |       | 25.80 | 31.50 | 34.00 | 38.00 | 42.00 |       |      |
| D4DJ-200X | 30                  |                                                     |     |     |     |     | 20.70 | 26.20 | 33.00 | 40.50 | 49.50 | 60.50 | 65.00 | 72.50 | 79.00 |      |
|           | 35                  |                                                     |     |     |     |     | 19.20 | 24.50 | 30.50 | 38.00 | 46.50 | 56.50 | 61.00 | 68.00 | 74.50 |      |
|           | 40                  |                                                     |     |     |     |     | 17.80 | 22.70 | 28.50 | 35.50 | 43.50 | 53.00 | 57.00 | 64.00 | 70.00 |      |
|           | 45                  |                                                     |     |     |     |     | 16.30 | 21.00 | 26.40 | 33.00 | 40.50 | 49.50 | 53.00 | 59.50 | 65.00 |      |
|           | 50                  |                                                     |     |     |     |     | 14.80 | 19.20 | 24.30 | 30.50 | 37.50 | 45.50 | 49.00 | 55.0  | 60.50 |      |
|           | 55                  |                                                     |     |     |     |     | 13.30 | 17.50 | 22.20 | 27.80 | 34.50 | 42.00 | 45.50 | 50.50 | 55.50 |      |
|           | 60                  |                                                     |     |     |     |     | 11.75 | 15.70 | 20.10 | 25.30 | 31.00 | 38.00 | 41.50 | 46.50 | 51.00 |      |
|           | 62                  |                                                     |     |     |     |     |       | 19.30 | 24.30 | 30.00 | 36.50 | 39.50 | 44.50 | 49.00 |       |      |
| D4DJ-300X | 30                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 35                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 40                  |                                                     |     |     |     |     |       |       |       |       | 44.50 | 54.50 | 58.50 | 65.50 | 72.00 |      |
|           | 45                  |                                                     |     |     |     |     |       |       |       |       | 41.50 | 50.50 | 55.00 | 61.50 | 67.50 |      |
|           | 50                  |                                                     |     |     |     |     |       |       |       |       | 38.50 | 47.00 | 51.00 | 57.00 | 62.50 |      |
|           | 55                  |                                                     |     |     |     |     |       |       |       |       | 35.50 | 43.50 | 47.00 | 53.00 | 58.00 |      |
|           | 60                  |                                                     |     |     |     |     |       |       |       |       | 33.00 | 40.00 | 43.50 | 48.50 | 53.50 |      |
|           | 65                  |                                                     |     |     |     |     |       |       |       | 29.90 | 36.50 | 39.50 | 44.50 | 48.50 |       |      |
| D6DH-200X | 30                  |                                                     |     |     |     |     | 25.70 | 33.00 | 41.00 | 51.00 | 62.50 | 76.00 | 82.00 | 91.50 | 100.0 |      |
|           | 35                  |                                                     |     |     |     |     | 24.00 | 30.50 | 38.50 | 48.00 | 58.50 | 71.50 | 77.00 | 86.00 | 94.0  |      |
|           | 40                  |                                                     |     |     |     |     | 22.20 | 28.50 | 36.00 | 44.50 | 55.00 | 67.00 | 72.50 | 81.00 | 88.5  |      |
|           | 45                  |                                                     |     |     |     |     | 20.50 | 26.40 | 33.50 | 41.50 | 51.50 | 62.50 | 67.50 | 75.50 | 83.00 |      |
|           | 50                  |                                                     |     |     |     |     | 18.70 | 24.30 | 31.00 | 38.50 | 47.50 | 58.00 | 63.00 | 70.50 | 77.00 |      |
|           | 55                  |                                                     |     |     |     |     | 16.90 | 22.20 | 28.40 | 35.50 | 44.00 | 54.00 | 58.00 | 65.00 | 71.50 |      |
|           | 60                  |                                                     |     |     |     |     | 15.00 | 20.10 | 25.90 | 32.50 | 40.50 | 49.50 | 53.50 | 60.00 | 65.50 |      |
|           | 62                  |                                                     |     |     |     |     |       | 24.90 | 31.50 | 39.00 | 47.50 | 51.50 | 57.50 | 63.50 |       |      |
| D6DH-350X | 30                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 35                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 40                  |                                                     |     |     |     |     |       |       |       |       | 56.50 | 69.00 | 74.50 | 83.00 | 91.00 |      |
|           | 45                  |                                                     |     |     |     |     |       |       |       |       | 53.00 | 64.50 | 69.50 | 78.00 | 85.50 |      |
|           | 50                  |                                                     |     |     |     |     |       |       |       |       | 49.50 | 60.50 | 65.00 | 73.00 | 80.00 |      |
|           | 55                  |                                                     |     |     |     |     |       |       |       |       | 46.00 | 56.00 | 60.50 | 68.00 | 74.50 |      |
|           | 60                  |                                                     |     |     |     |     |       |       |       |       | 42.00 | 51.50 | 56.00 | 62.50 | 68.50 |      |
|           | 65                  |                                                     |     |     |     |     |       |       |       |       | 38.50 | 47.50 | 51.00 | 57.50 | 63.00 |      |



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**R134a Discus**

**Discus Semi-Hermetic Compressors**

**KW (50Hz)**

|           | Cond<br>Temp.<br>°C | Cooling Capacity at 20°C suction return temperature |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|-----------|---------------------|-----------------------------------------------------|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|           |                     | Evaporating Temperature °C                          |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           |                     | -50                                                 | -45 | -40 | -35 | -30 | -25   | -20   | -15   | -10   | -5    | 0     | 5     | 7     | 10    | 12.5 |
| D6DJ-300X | 30                  |                                                     |     |     |     |     | 31.00 | 39.50 | 49.50 | 61.00 | 75.00 | 90.50 | 98.00 | 109.0 | 119.0 |      |
|           | 35                  |                                                     |     |     |     |     | 28.90 | 37.00 | 46.00 | 57.00 | 70.00 | 85.00 | 91.50 | 102.5 | 112.0 |      |
|           | 40                  |                                                     |     |     |     |     | 26.70 | 34.00 | 43.00 | 53.00 | 65.00 | 79.50 | 85.50 | 95.50 | 104.5 |      |
|           | 45                  |                                                     |     |     |     |     | 24.50 | 31.50 | 39.50 | 49.00 | 60.50 | 73.50 | 79.50 | 89.00 | 97.50 |      |
|           | 50                  |                                                     |     |     |     |     | 22.20 | 28.70 | 36.50 | 45.50 | 55.50 | 68.00 | 73.50 | 82.00 | 90.00 |      |
|           | 55                  |                                                     |     |     |     |     | 20.00 | 26.10 | 33.00 | 41.50 | 51.00 | 62.50 | 67.50 | 75.50 | 82.50 |      |
|           | 60                  |                                                     |     |     |     |     | 17.70 | 23.50 | 30.00 | 37.50 | 46.50 | 56.50 | 61.00 | 68.50 | 75.00 |      |
|           | 62                  |                                                     |     |     |     |     |       |       | 28.80 | 36.00 | 44.50 | 54.50 | 59.00 | 66.00 | 72.50 |      |
| D6DJ-400X | 30                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 35                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 40                  |                                                     |     |     |     |     |       |       |       |       | 64.00 | 78.00 | 84.00 | 94.00 | 103.0 |      |
|           | 45                  |                                                     |     |     |     |     |       |       |       |       | 60.00 | 73.00 | 79.00 | 88.00 | 96.50 |      |
|           | 50                  |                                                     |     |     |     |     |       |       |       |       | 56.00 | 68.50 | 73.50 | 82.50 | 90.00 |      |
|           | 55                  |                                                     |     |     |     |     |       |       |       |       | 52.00 | 63.50 | 68.50 | 76.50 | 84.00 |      |
|           | 60                  |                                                     |     |     |     |     |       |       |       |       | 48.00 | 58.50 | 63.00 | 70.50 | 77.50 |      |
|           | 65                  |                                                     |     |     |     |     |       |       |       | 44.00 | 53.50 | 58.00 | 64.50 | 71.00 |       |      |
| D8DH-400X | 30                  |                                                     |     |     |     |     | 34.00 | 43.00 | 54.50 | 68.00 | 83.50 | 102.0 | 110.0 | 123.0 | 135.0 |      |
|           | 35                  |                                                     |     |     |     |     | 31.50 | 40.50 | 51.50 | 64.00 | 79.00 | 96.50 | 104.0 | 116.5 | 128.0 |      |
|           | 40                  |                                                     |     |     |     |     | 29.20 | 38.00 | 48.00 | 60.00 | 74.50 | 91.00 | 98.00 | 110.0 | 120.5 |      |
|           | 45                  |                                                     |     |     |     |     | 26.90 | 35.00 | 45.00 | 56.50 | 69.50 | 85.00 | 92.00 | 103.5 | 113.5 |      |
|           | 50                  |                                                     |     |     |     |     | 24.70 | 32.50 | 41.50 | 52.50 | 65.00 | 79.50 | 86.00 | 96.50 | 106.0 |      |
|           | 55                  |                                                     |     |     |     |     | 22.50 | 29.90 | 38.50 | 48.50 | 60.00 | 74.00 | 80.00 | 89.50 | 98.50 |      |
|           | 60                  |                                                     |     |     |     |     | 20.40 | 27.30 | 35.50 | 44.50 | 55.50 | 68.00 | 73.50 | 83.00 | 91.00 |      |
|           | 62                  |                                                     |     |     |     |     |       | 34.00 | 43.00 | 53.50 | 66.00 | 71.50 | 80.00 | 88.00 |       |      |
| D8DH-500X | 30                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 35                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 40                  |                                                     |     |     |     |     |       |       |       |       | 74.50 | 91.00 | 98.50 | 110.5 | 121.5 |      |
|           | 45                  |                                                     |     |     |     |     |       |       |       |       | 69.50 | 85.50 | 92.50 | 103.5 | 114.0 |      |
|           | 50                  |                                                     |     |     |     |     |       |       |       |       | 65.00 | 79.50 | 86.00 | 97.00 | 106.5 |      |
|           | 55                  |                                                     |     |     |     |     |       |       |       |       | 60.00 | 74.00 | 80.00 | 90.00 | 99.00 |      |
|           | 60                  |                                                     |     |     |     |     |       |       |       |       | 55.50 | 68.50 | 74.00 | 83.00 | 91.50 |      |
|           | 65                  |                                                     |     |     |     |     |       |       |       | 51.00 | 62.50 | 68.00 | 76.50 | 84.00 |       |      |
| D8DJ-500X | 30                  |                                                     |     |     |     |     | 39.00 | 50.00 | 63.50 | 79.00 | 97.50 | 119.0 | 128.5 | 143.5 | 157.5 |      |
|           | 35                  |                                                     |     |     |     |     | 36.50 | 47.00 | 59.50 | 74.50 | 92.00 | 112.5 | 121.5 | 136.0 | 149.0 |      |
|           | 40                  |                                                     |     |     |     |     | 33.50 | 44.00 | 56.00 | 70.00 | 86.50 | 106.0 | 114.5 | 128.0 | 140.5 |      |
|           | 45                  |                                                     |     |     |     |     | 31.00 | 40.50 | 52.00 | 65.50 | 81.00 | 99.00 | 107.0 | 120.5 | 132.0 |      |
|           | 50                  |                                                     |     |     |     |     | 28.40 | 37.50 | 48.00 | 60.50 | 75.50 | 92.50 | 100.0 | 112.5 | 123.5 |      |
|           | 55                  |                                                     |     |     |     |     | 25.80 | 34.50 | 44.50 | 56.00 | 70.00 | 86.00 | 93.00 | 104.5 | 114.5 |      |
|           | 60                  |                                                     |     |     |     |     | 23.40 | 31.50 | 40.50 | 51.50 | 64.00 | 79.00 | 85.50 | 96.00 | 106.0 |      |
|           | 62                  |                                                     |     |     |     |     |       | 39.50 | 50.00 | 62.00 | 76.50 | 82.50 | 93.00 | 102.5 |       |      |
| D8DJ-600X | 30                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 35                  |                                                     |     |     |     |     |       |       |       |       |       |       |       |       |       |      |
|           | 40                  |                                                     |     |     |     |     |       |       |       |       | 86.50 | 106.0 | 115.0 | 129.0 | 141.5 |      |
|           | 45                  |                                                     |     |     |     |     |       |       |       |       | 81.00 | 99.50 | 107.5 | 120.5 | 132.5 |      |
|           | 50                  |                                                     |     |     |     |     |       |       |       |       | 75.50 | 92.50 | 100.0 | 112.5 | 124.0 |      |
|           | 55                  |                                                     |     |     |     |     |       |       |       |       | 69.50 | 86.00 | 93.00 | 104.5 | 115.0 |      |
|           | 60                  |                                                     |     |     |     |     |       |       |       |       | 64.50 | 79.00 | 86.00 | 96.50 | 106.0 |      |
|           | 65                  |                                                     |     |     |     |     |       |       |       |       | 59.00 | 72.50 | 78.50 | 88.50 | 97.50 |      |



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