

**600 V dc**

**400 V dc**

**72 V dc**

**48 V dc**



**UD150-600**



**UDF150-600**



**UD200-600**



**UD150-400**



**UDF150-400**



**UD200-400**



**UD150-72**





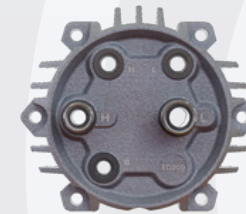


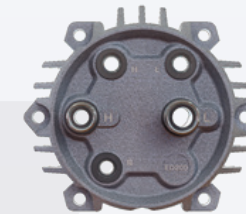


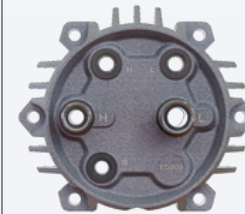

**UDF150-72**



**UD200-72**



**UD150-48**

<b>Part number</b>	<b>UD150-600</b>	<b>UDF150-600</b>	<b>UD200-600</b>	<b>UD150-400</b>	<b>UDF150-400</b>	<b>UD200-400</b>	<b>UD150-72</b>	<b>UDF150-72</b>	<b>UD200-72</b>	<b>UD150-48</b>
<b>Motor series</b>	Model 150 (600 V dc)	Model 200 (600 V dc)	Model 200 (600 V dc)	Model 150 (400 V dc)	Model 200 (400 V dc)	Model 200 (400 V dc)	Model 150 (72 V dc)	Model 200 (72 V dc)	Model 200 (72 V dc)	Model 150 (48 V dc)
<b>Refrigerant</b>	R134a/R1234yf	R404a/R452a	R134a/R1234yf	R134a/R1234yf	R404a/R452a	R134a/R1234yf	R134a/R1234yf	R404a/R452a	R134a/R1234yf	R134a/R1234yf
<b>Refrigerant capacity*</b>	5200-6200 W	6900-8300 W	7500-9000 W	5200-6200 W	6900-8300 W	7500-9000 W	5200-6200 W	6900-8300 W	7500-9000 W	5200-6200 W
<b>Motor speed range</b>	750-2200 rpm	750-2200 rpm	750-2200 rpm	750-2200 rpm	750-2200 rpm	750-2200 rpm	750-2200 rpm	750-2200 rpm	750-2200 rpm	750-2200 rpm
<b>Optimal operating speed</b>	1850 rpm	1850 rpm	1850 rpm	1850 rpm	1850 rpm	1850 rpm	1850 rpm	1850 rpm	1850 rpm	1850 rpm
<b>Displacement</b>	145cc / rev	145cc / rev	200.4cc / rev	145cc / rev	145cc / rev	200.4cc / rev	145cc / rev	145cc / rev	200.4cc / rev	145cc / rev
<b>Number of cylinders</b>	10	10	10	10	10	10	10	10	10	10
<b>Nominal weight</b>	21 kg	25 kg	26 kg	21 kg	25 kg	26 kg	21 kg	25 kg	26 kg	21 kg
<b>Max pressure</b>	LP 7 bar // HP 25 bar	LP 7 bar // HP 25 bar	LP 7 bar // HP 25 bar	LP 7 bar // HP 25 bar	LP 7 bar // HP 25 bar	LP 7 bar // HP 25 bar	LP 7 bar // HP 25 bar	LP 7 bar // HP 25 bar	LP 7 bar // HP 25 bar	LP 7 bar // HP 25 bar
<b>Relief valve</b>	32 bar	32 bar	32 bar	32 bar	32 bar	32 bar	32 bar	32 bar	32 bar	32 bar
<b>Suction connection size</b>	7/8 - 14 UNF #10	7/8 - 14 UNF #10	7/8 - 14 UNF #10	7/8 - 14 UNF #10	7/8 - 14 UNF #10	7/8 - 14 UNF #10	7/8 - 14 UNF #10	7/8 - 14 UNF #10	7/8 - 14 UNF #10	7/8 - 14 UNF #10
<b>Discharge connection size</b>	3/4 - 16 UNF #8	3/4 - 16 UNF #8	3/4 - 16 UNF #8	3/4 - 16 UNF #8	3/4 - 16 UNF #8	3/4 - 16 UNF #8	3/4 - 16 UNF #8	3/4 - 16 UNF #8	3/4 - 16 UNF #8	3/4 - 16 UNF #8
<b>Connection pattern</b>										
<b>Oil return fitting</b>	7/16-20 UNF male flare	7/16-20 UNF male flare	7/16-20 UNF male flare	7/16-20 UNF male flare	7/16-20 UNF male flare	7/16-20 UNF male flare	7/16-20 UNF male flare	7/16-20 UNF male flare	7/16-20 UNF male flare	7/16-20 UNF male flare
<b>Oil type</b>	PAG56 (Unidap 7)	POE32 (Unidap 3)	PAG56 (Unidap 7)	PAG56 (Unidap 7)	POE32 (Unidap 3)	PAG56 (Unidap 7)	PAG56 (Unidap 7)	POE32 (Unidap 3)	PAG56 (Unidap 7)	PAG56 (Unidap 7)
<b>Oil fill (factory)</b>	200cc	200cc	250cc	200cc	200cc	250cc	200cc	200cc	250cc	200cc
<b>Operating voltage</b>	500-600 V dc	500-600 V dc	500-600 V dc	320-480 V dc	320-480 V dc	320-480 V dc	60-84 V dc	60-84 V dc	60-84 V dc	42-54 V dc
<b>Maximum current</b>	5.5 A	8.25 A	8.25 A	7.5 A	11.25 A	11.25 A	42 A	62.50 A	62.50 A	62.5 A
<b>Maximum power input</b>	3000 W	4500 W	4500 W	3000 W	4500 W	4500 W	3000 W	4500 W	4500 W	3000 W
<b>Maximum operating ambient temperature (with ambient air flow)</b>	45°C	45°C	45°C	45°C	45°C	45°C	45°C	45°C	45°C	45°C
<b>Maximum operating ambient temperature (with additional air flow)</b>	55°C	55°C	55°C	55°C	55°C	55°C	55°C	55°C	55°C	55°C
<b>Enclosure class (controller housing &amp; motor/compressor)</b>	IP55/IP68	IP55/IP68	IP55/IP68	IP55/IP68	IP55/IP68	IP55/IP68	IP55/IP68	IP55/IP68	IP55/IP68	IP55/IP68
<b>Power supply gland</b>	Nickle plate M20	Nickle plate M20	Nickle plate M20	Nickle plate M20	Nickle plate M20	Nickle plate M20	Nickle plate M20	Nickle plate M20	Nickle plate M20	Nickle plate M20
<b>Electical certification date</b>	10/16/2021	10/16/2021	10/16/2021	10/16/2021	10/16/2021	10/16/2021	10/16/2021	10/16/2021	10/16/2021	10/16/2021
<b>Communication &amp; control interfaces</b>	CAN, RS485, USB, Ethernet, Bluetooth, 0-10 V dc, 4-20 mA, Run/Stop	CAN, RS485, USB, Ethernet, Bluetooth, 0-10 V dc, 4-20 mA, Run/Stop	CAN, RS485, USB, Ethernet, Bluetooth, 0-10 V dc, 4-20 mA, Run/Stop	CAN, RS485, USB, Ethernet, Bluetooth, 0-10 V dc, 4-20 mA, Run/Stop	CAN, RS485, USB, Ethernet, Bluetooth, 0-10 V dc, 4-20 mA, Run/Stop	CAN, RS485, USB, Ethernet, Bluetooth, 0-10 V dc, 4-20 mA, Run/Stop	CAN, RS485, USB, Ethernet, Bluetooth, 0-10 V dc, 4-20 mA, Run/Stop	CAN, RS485, USB, Ethernet, Bluetooth, 0-10 V dc, 4-20 mA, Run/Stop	CAN, RS485, USB, Ethernet, Bluetooth, 0-10 V dc, 4-20 mA, Run/Stop	CAN, RS485, USB, Ethernet, Bluetooth, 0-10 V dc, 4-20 mA, Run/Stop
<b>Nominal dimensions L x W x H (mm)</b>	450 x 161 X 237	513 x 161 X 237	530 x 161 X 237	450 x 161 X 237	513 x 161 X 237	530 x 161 X 237	450 x 161 X 237	513 x 161 X 237	530 x 161 X 237	450 x 161 X 237

\*Refrigeration capacity - R134a measured at Evap T: 0°C, Cond T: 45-55°C - R404a measured in Evap T: -10°C, Cond T: 35-45°C - Operating speed 1850rpm - Refer to product bulletin for alternative operating conditions