

# Model: DLSG-401

## Data

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Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DL

## Model: DLSG-401

### Technical data

Nominal motor power [kW]:	
Cylinder count:	2
Displacement [m <sup>3</sup> /h]:	22,5
Cylinder capacity [cm <sup>3</sup> ]:	
RPM [min <sup>-1</sup> ]:	1450
Weight [kg]:	88
Oil charge [dm <sup>3</sup> ]:	2,3
Power supply [V/~/Hz]:	

### Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	28	1 1/8"
Discharge line:	15	5/8"

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## Capacity

R22

### Cooling capacity [W]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
<b>25</b>	1 510	2 260	3 270	4 520	5 990	7 680	9 580
<b>30</b>	1 360	2 060	3 010	4 190	5 590	7 210	9 020
<b>35</b>	1 210	1 860	2 750	3 870	5 200	6 740	8 470
<b>40</b>	1 060	1 660	2 500	3 550	4 820	6 280	7 920
<b>45</b>	-	-	2 260	3 250	4 440	5 830	7 390
<b>50</b>	-	-	2 020	2 950	4 070	5 380	6 850
<b>55</b>	-	-	1 790	2 650	3 710	4 930	6 330

### Power input [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
<b>25</b>	1.55	1.87	2.22	2.58	2.91	3.21	3.44
<b>30</b>	1.53	1.87	2.25	2.64	3.02	3.36	3.65
<b>35</b>	1.49	1.86	2.27	2.69	3.11	3.50	3.84
<b>40</b>	1.44	1.83	2.27	2.73	3.19	3.62	4.01
<b>45</b>	-	-	2.26	2.75	3.25	3.72	4.16
<b>50</b>	-	-	2.25	2.77	3.29	3.81	4.29
<b>55</b>	-	-	2.22	2.76	3.33	3.88	4.41

Operating conditions: suction gas temperature 25°C + additional cooling

$t_c$  - Condensing temperature [°C]

$t_e$  - Evaporating temperature [°C]