

Construction Tools

Diesel Driven Trash Pump



AA00149



AA00150



AA00151

Stock Code	AA00149	AA00150	AA00151
Model	KDP 20	KDP 30	KDP 40
Type	Diesel Pump	Diesel Pump	Diesel Pump
Suction & Discharge port (diameter (mm) (in)	50 (2")	80 (3")	100 (4")
Rated Capacity (m3/h)	22.0	30.0	40.0
Rated total head (m)	15	13	15
Self-priming time (s/4m)	80	120	180
Max. suction head (m)	8.0	8.0	8.0
Rotation speed (r/min)	3600	3600	3600
Noise Level [dB(A)/7m]	74.0	76.0	79.0
Overall dimension (mm) (LxWxH)	525 x410x515	570x445x550	650x480x600
Net Weight (kg)	38.5	49	62.5
Engine Model	KM170	KM178	KM186
Rated Power (kW)	2.8	4	6.3
Rated Speed (r/min)	3600	3600	3600
Fuel Consumption (g/kW.h)	288	285	281
Displacement (cm3)	211	296	406
Starter System	Recoil Starter	Recoil Starter	Recoil Starter

Vertical, Multistage centrifugal pump CR45-3 3 x 400/690 50Hz

Vertical, multistage centrifugal pump with suction and discharge ports on same the level (in-line) enabling installation in a horizontal one-pipe system. The pump head and base are in cast iron-all other wetted parts are in stainless steel. A cartridge shaft seal ensures high reliability, safe handling and easy service and access. Power transmission is via a split coupling. Pipework connection is via DIN flanges. This pump is fitted with a 3-phase, fan-cooled asynchronous motor.



AA00141

Specifications:	
Liquid:	Water
Pumped Liquid:	Water
Liquid temperature range:	-30....120° C
Liquid temp:	20 ° C
Density:	998.2 kg/m3
Technical:	
Speed for pump data:	2924rpm
Rated flow:	45 m3/h
Rated head:	59.4 m
Shaft seal:	HQQE
Approvals on nameplate:	CE, TR

Materials:	
Pump housing	Cast iron EN-JS1050 ASTM 80-55-06
Impeller:	Stainless Steel DIN W -Nr. 1.4301 AISI 304
Installation:	
Maximum ambient temperature:	60° C
Max pressure at stated temp:	16 bar / 120° C 16 bar / -30° C
Flange standard:	DIN
Pipe connection:	DN 80
Pressure stage:	PN 16/PN 25/PN 40
Flange size for motor:	FF300
Others:	
Minimum efficiency index. MEI ≥:	0.7
Net weight:	163 kg
Gross weight:	196 kg
Shipping volume:	0.31 m3

Electrical data:	
Motor type:	160MB
IE Efficiency class:	IE 3
Number of poles:	2
Rated power-P2	11kW
Power (p2) required by pump:	11kW
Mains frequency:	50
Rated voltage:	3 x 380-415 d/660-690 Y V
Rated Current:	20,8-19,8/12,0-11,8 A
Starting current:	660-780 %
Cos phi- power factor:	0,88-0,84
Rated speed:	2940-2950 rpm
IE efficiency:	IE 3 91,2%
Motor efficiency at full load:	91,2-91,2%
Motor efficiency at 3/4 load:	91,8-91,8 %
Motor efficiency at 1/2 load:	91,3-91,2%
Enclosure class (IEC 34-5):	55 (Protect water jets/dust)
Insulation class (IEC 85)	F

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