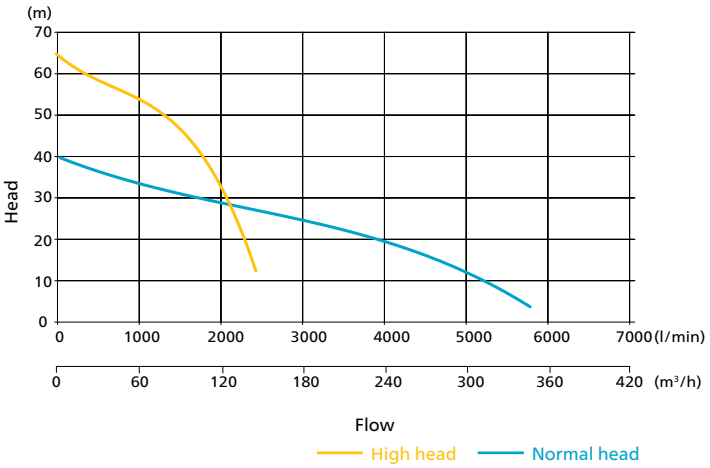
WEDA D80 (50 Hz)

Product reference

Product code	WEDA D80
Installation	Portable Drainage pump
Discharge connection	6" std for WEDA D80N, hose, ISO-G or NPT thread
	4" std for WEDA D80H, hose, ISO-G or NPT thread
Hydralic range	N - Normal Head
	H - High Head
Solid handling	Strainer hole dimension 12 mm
Liquid Temperature	max 40°C (104°F), standard
Depth of immersion	max 20 m (65 feet)
Liquid density	1100 kg/m³ (9.2 lb. per US gal.)
pH of the pumped liquid	pH 5–8
Frequency	50 Hz
Insulation class	Class F (+155C), IEC 85
Protection class	IP68
Voltage variation	max ± 5% of nominal voltage
Voltage imbalance	max 2% - between phases
Max start stop	max 30 - No. of starts/hour
Thermal contacts	140°C (284°F)
Cable	Oil and wear resistant rubber cable type HO7RN-F
	230V, 20m 4G16 mm²
	400V/500V, 20m 4G6 mm²
	550V, 20m 4G4 mm²
Outer casing	Aluminium
Impeller	Cr-alloyed white cast iron, 55±5 HRC
Wear parts	Nitrile rubber
Stator housing	Aluminum
Strainer	Stainless steel
Shaft	Stainless steel
O-rings	Nitrile rubber
Discharge connection	Aluminum
Bearings	Double-row ball bearing with C3 clearance
Mechanical seal	Cartridge seal
	Primary seal: Silicon carbide against silicon carbide
	Secondary seal: Carbon against silicon carbide
Quick couplings	4" BSP female Storz coupling
Start type	Built-in contactor with rotation control for DOL start or Softstarter
Accessories	Float switch
	Zinc anodes
	Epoxy coating

Weight and dimensions		Normal head	High head
Weight (excl. cable)	kg	180	180
Height	mm	980	980
Width	mm	690	665
Diameter	mm	530	530

Performance curve



Power rating

Rated power (P2) 20 kW		
Motor Data	Max. power input kW	Rated current A
230V	22,4	66
400V	22,4	37,9
440V	22,4	34,9
500V	22,4	30,4
550V	22,4	27,6
690V	22,4	22

Other voltages available on request

2960 2320 00 - Subject to modifications without prior notice.