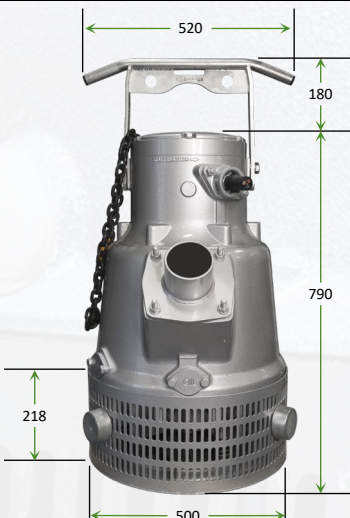
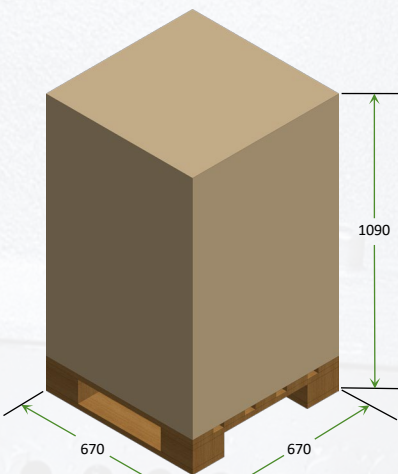
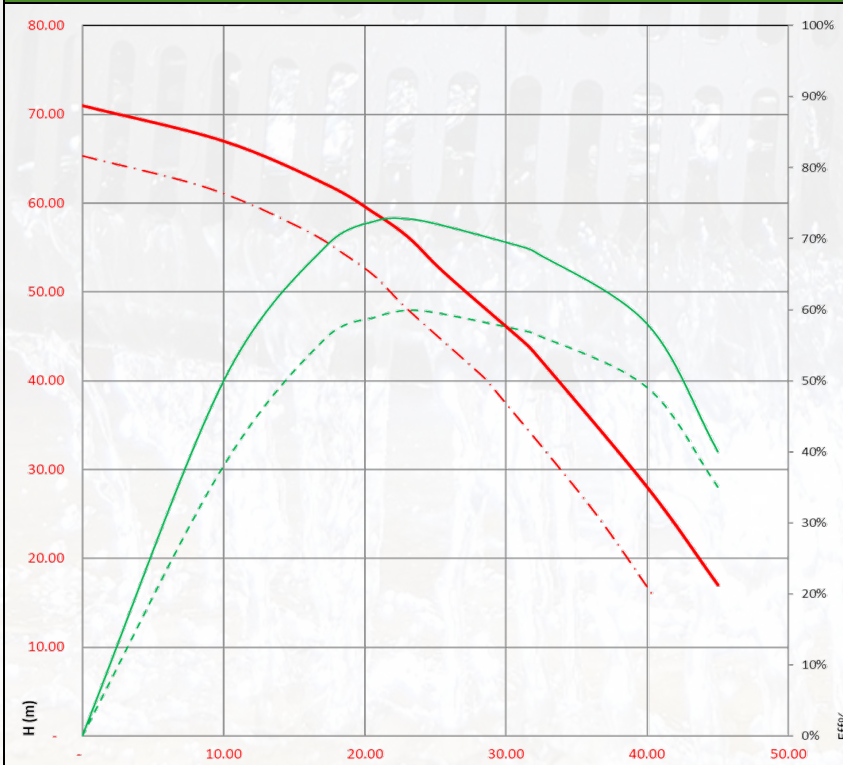
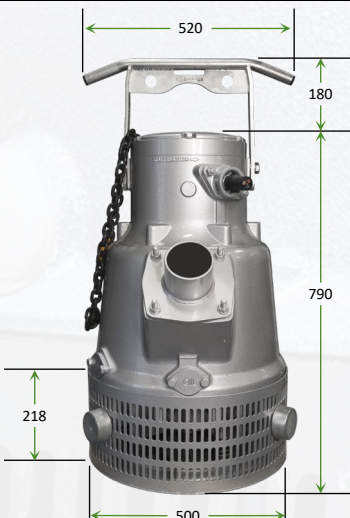
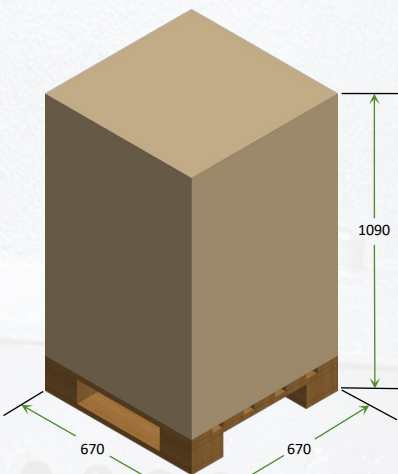
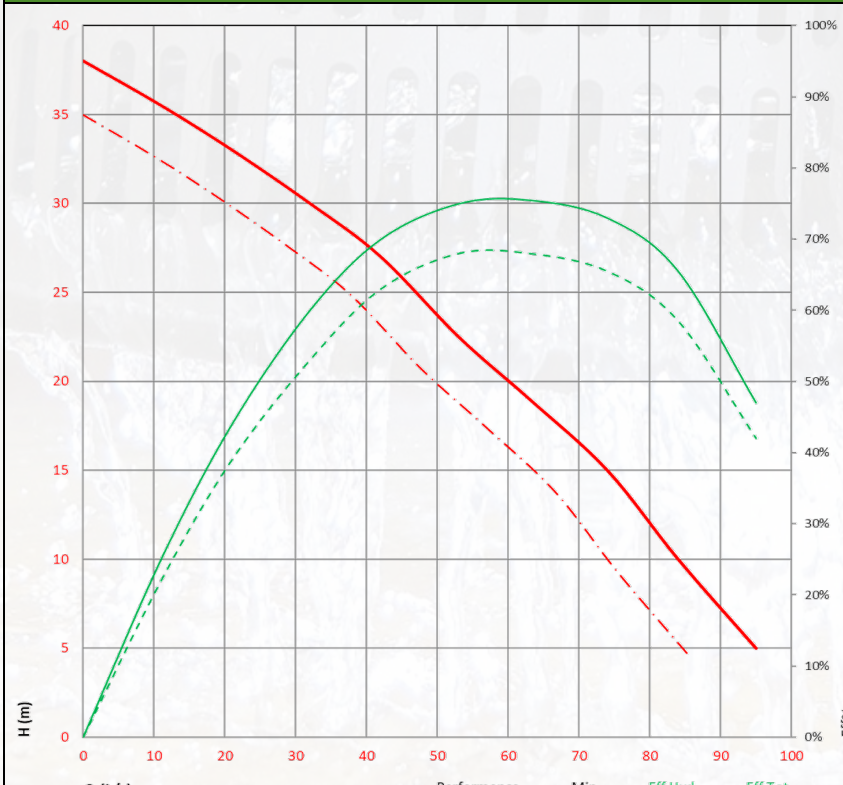


DATA SHEET MTP020KW HH 50HZ

DIMENSIONS		MOTOR SPECIFICATIONS		
Pump only (mm)	Pump packaged (mm)			
				
Weight: 185kg	Weight: 190kg			
		Rated power20kW		
		Full load output power20.9kW		
		Full load input power25.5kW		
		Rotational speed2,903 rpm		
		Power factor0.903		
		Motor efficiency82.1 %		
		Pump efficiency72.8 %		
		Overall efficiency59.9 %		
		Voltage	Full Load Current (A)	
		380V (Δ)	45.11	
		400V (Δ)	42.86	
		415V (Δ) AU Std	41.31	
		440V (Δ)	38.96	
		500V (Δ)	34.29	
		525V (Δ)	32.65	
		550V (Δ)	31.17	
		1000V (Y) AU Std	17.14	
		*75°C @ 2KVDC/1min		
PUMP PERFORMANCE		PUMP SPECIFICATIONS		
		Motor typeSubmersible squirrel-cage induction		
		Pump typeSubmersible centrifugal		
		Ingress Protection RatingIP68		
		Insulation ClassClass H (IEC 85)		
		Motor protectionStator thermistors in series		
		Earth protectionEarth diode in series		
		Max allowable consecutive restarts per hour15		
		Discharge connection (AU Std)100mm BSPP Internal		
		Cable type (AU Std)Type 241.1 screened mining 3G6+3XE+1XP		
		Cable length (AU Std)15m		
		Zinc anodesFitted as standard ex works		
		MATERIAL SPECIFICATIONS		
		Outer casing	Stator housing	
		Bearing housing	Oil housing	
		Diffusers	Suction covers	
		Oil housing	Diffusers	
		Suction covers		
		Impellers	Stainless steel	
		Mechanical seals	316 Stainless steel / Viton + Tungsten / Silicon carbides	
		Rotor shaft	Duplex Stainless steel	
		O-rings	NBR + Hi-temp HNBR + Viton	
		Strainer	316 Stainless steel	
		APPLICATION SPECIFICATIONS		
		Maximum submerged depth	20m	
		Max liquid temperature	40°C	
		Allowable pumped liquid pH	5-8	
		Maximum liquid density	1,100 kgm³	
		Maximum spherical solid Ø	6mm strainer hole	

DATA SHEET MTP020KW HV 50HZ

DIMENSIONS		MOTOR SPECIFICATIONS		
Pump only (mm)	Pump packaged (mm)			
				
Weight: 185kg	Weight: 190kg			
		Rated power	20kW	
		Full load output power	20.9kW	
		Full load input power	25.5kW	
		Rotational speed	2,903 rpm	
		Power factor	0.903	
		Motor efficiency	82.1 %	
		Pump efficiency	75.6 %	
		Overall efficiency	68.0 %	
		Voltage	Full Load Current (A)	Resist Ω*
		380V (Δ)	45.11	0.455
		400V (Δ)	42.86	0.503
		415V (Δ) AU Std	41.31	0.562
		440V (Δ)	38.96	0.625
		500V (Δ)	34.29	0.816
		525V (Δ)	32.65	0.875
		550V (Δ)	31.17	0.966
		1000V (Y) AU Std	17.14	1.270
		*75°C @ 2KVDC/1min		
PUMP PERFORMANCE		PUMP SPECIFICATIONS		
		Motor type	Submersible squirrel-cage induction	
		Pump type	Submersible centrifugal	
		Ingress Protection Rating	IP68	
		Insulation Class	Class H (IEC 85)	
		Motor protection	Stator thermistors in series	
		Earth protection	Earth diode in series	
		Max allowable consecutive restarts per hour	15	
		Discharge connection (AU Std)	150mm BSPP Internal	
		Cable type (AU Std)	Type 241.1 screened mining 3G6+3XE+1XP	
		Cable length (AU Std)	15m	
		Zinc anodes	Fitted as standard ex works	
		MATERIAL SPECIFICATIONS		
		Outer casing	Stator housing	Aluminium alloy
		Bearing housing	Oil housing	
		Diffusers	Suction covers	
		Oil housing	Diffusers	Co-polymer polyurethane wear protection
		Suction covers		
		Impellers	Stainless steel	
		Mechanical seals	316 Stainless steel / Viton + Tungsten / Silicon carbides	
		Rotor shaft	Duplex Stainless steel	
		O-rings	NBR + Hi-temp HNBR + Viton	
		Strainer	316 Stainless steel	
		APPLICATION SPECIFICATIONS		
		Maximum submerged depth	20m	
		Max liquid temperature	40°C	
		Allowable pumped liquid pH	5-8	
		Maximum liquid density	1,100 kgm³	
		Maximum spherical solid Ø	6mm strainer hole	