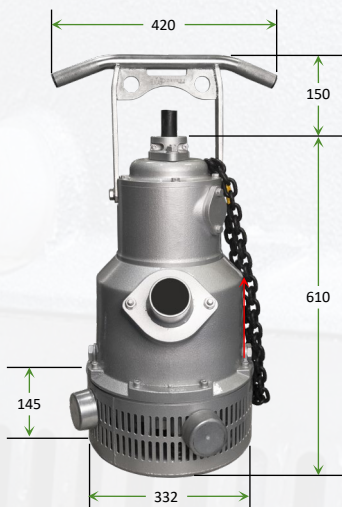
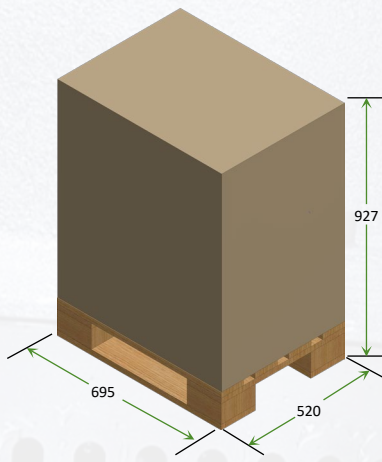
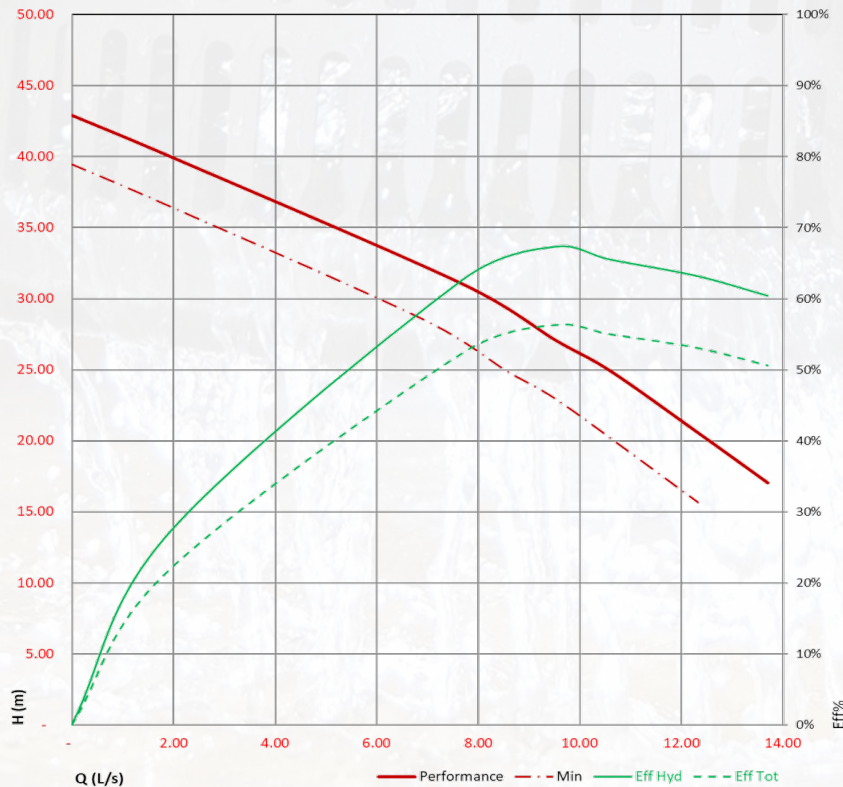
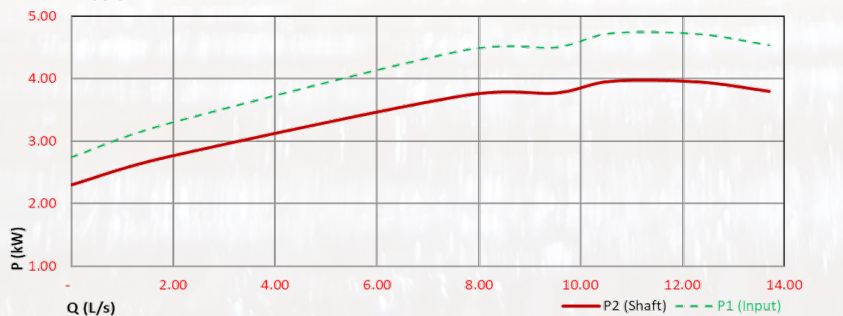
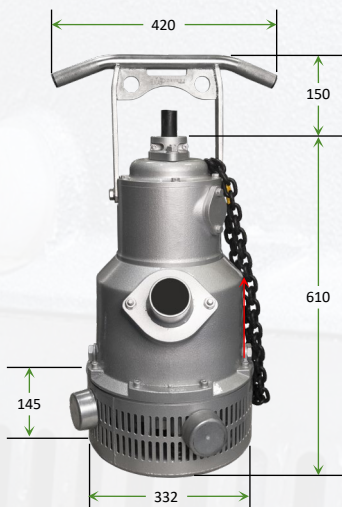
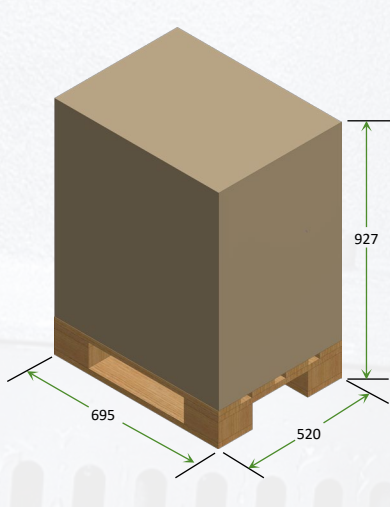
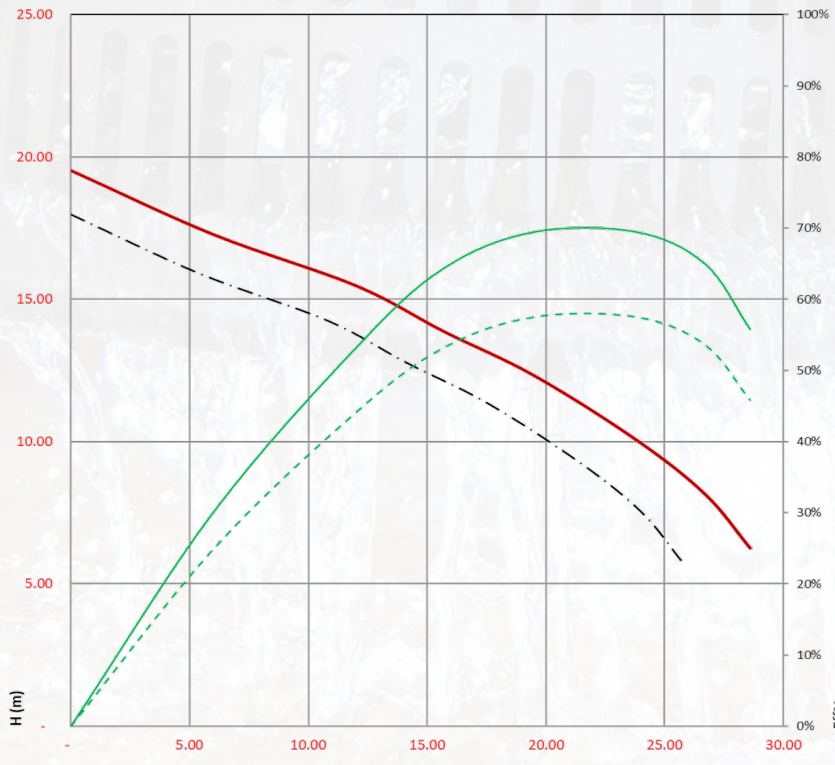
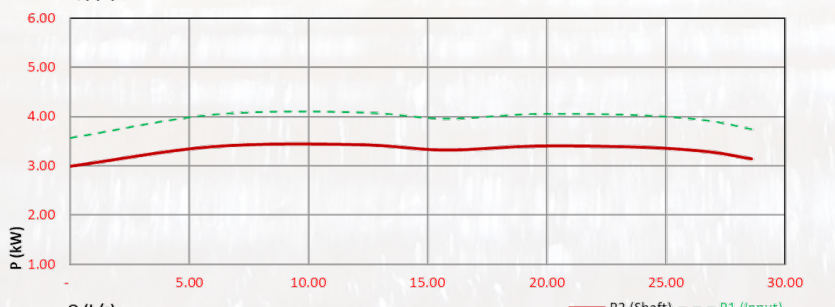


DATA SHEET MTP005KW HH 50HZ

DIMENSIONS		MOTOR SPECIFICATIONS	
Pump only (mm)	Pump packaged (mm)		
		Rated power5kW	
		Full load output power5.7kW	
		Full load input power6.8kW	
		Rotational speed2,839 rpm	
		Power factor0.865	
		Motor efficiency83.3 %	
		Pump efficiency67.3 %	
		Overall efficiency56.3 %	
		Voltage	Full Load Current (A)
		380V (Δ)	10.38
		400V (Δ)	9.86
		415V (Δ) AU Std	9.51
		440V (Δ)	8.97
		500V (Δ)	7.89
		525V (Δ)	7.51
		550V (Δ)	7.17
		1000V (Y) AU Std	3.94
		*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)50mm 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	
		Mechanical seals	
		Rotor shaft	
		O-rings	
		Strainer	
		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 MTP005KW HV 50HZ

DIMENSIONS		MOTOR SPECIFICATIONS																																																				
Pump only (mm)	Pump packaged (mm)																																																					
		<table><tr><td>Rated power</td><td colspan="2">5kW</td></tr><tr><td>Full load output power</td><td colspan="2">5.7kW</td></tr><tr><td>Full load input power</td><td colspan="2">6.8kW</td></tr><tr><td>Rotational speed</td><td colspan="2">2,839 rpm</td></tr><tr><td>Power factor</td><td colspan="2">0.865</td></tr><tr><td>Motor efficiency</td><td colspan="2">83.3 %</td></tr><tr><td>Pump efficiency</td><td colspan="2">69.5 %</td></tr><tr><td>Overall efficiency</td><td colspan="2">57.5 %</td></tr><tr><th>Voltage</th><th>Full Load Current (A)</th><th>Resist Ω*</th></tr><tr><td>380V (Δ)</td><td>10.38</td><td>3.52</td></tr><tr><td>400V (Δ)</td><td>9.86</td><td>3.90</td></tr><tr><td>415V (Δ) AU Std</td><td>9.51</td><td>4.25</td></tr><tr><td>440V (Δ)</td><td>8.97</td><td>4.79</td></tr><tr><td>500V (Δ)</td><td>7.89</td><td>6.11</td></tr><tr><td>525V (Δ)</td><td>7.51</td><td>6.71</td></tr><tr><td>550V (Δ)</td><td>7.17</td><td>8.27</td></tr><tr><td>1000V (Y) AU Std</td><td>3.94</td><td>8.26</td></tr></table> *75°C @ 2KVDC/1min		Rated power	5kW		Full load output power	5.7kW		Full load input power	6.8kW		Rotational speed	2,839 rpm		Power factor	0.865		Motor efficiency	83.3 %		Pump efficiency	69.5 %		Overall efficiency	57.5 %		Voltage	Full Load Current (A)	Resist Ω*	380V (Δ)	10.38	3.52	400V (Δ)	9.86	3.90	415V (Δ) AU Std	9.51	4.25	440V (Δ)	8.97	4.79	500V (Δ)	7.89	6.11	525V (Δ)	7.51	6.71	550V (Δ)	7.17	8.27	1000V (Y) AU Std	3.94	8.26
Rated power	5kW																																																					
Full load output power	5.7kW																																																					
Full load input power	6.8kW																																																					
Rotational speed	2,839 rpm																																																					
Power factor	0.865																																																					
Motor efficiency	83.3 %																																																					
Pump efficiency	69.5 %																																																					
Overall efficiency	57.5 %																																																					
Voltage	Full Load Current (A)	Resist Ω*																																																				
380V (Δ)	10.38	3.52																																																				
400V (Δ)	9.86	3.90																																																				
415V (Δ) AU Std	9.51	4.25																																																				
440V (Δ)	8.97	4.79																																																				
500V (Δ)	7.89	6.11																																																				
525V (Δ)	7.51	6.71																																																				
550V (Δ)	7.17	8.27																																																				
1000V (Y) AU Std	3.94	8.26																																																				
PUMP PERFORMANCE		PUMP SPECIFICATIONS																																																				
		<table><tr><td>Motor type</td><td colspan="2">Submersible squirrel-cage induction</td></tr><tr><td>Pump type</td><td colspan="2">Submersible centrifugal</td></tr><tr><td>Ingress Protection Rating</td><td colspan="2">IP68</td></tr><tr><td>Insulation Class</td><td colspan="2">Class H (IEC 85)</td></tr><tr><td>Motor protection</td><td colspan="2">Stator thermistors in series</td></tr><tr><td>Earth protection</td><td colspan="2">Earth diode in series</td></tr><tr><td>Max allowable consecutive restarts per hour</td><td colspan="2">15</td></tr><tr><td>Discharge connection (AU Std)</td><td colspan="2">75mm BSPP Internal</td></tr><tr><td>Cable type (AU Std)</td><td colspan="2">Type 241.1 screened mining 3G6+3XE+1XP</td></tr><tr><td>Cable length (AU Std)</td><td colspan="2">15m</td></tr><tr><td>Zinc anodes</td><td colspan="2">Fitted as standard ex works</td></tr></table>		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)	75mm 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																			
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)	75mm 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																																																					
		<table><tr><th colspan="3">MATERIAL SPECIFICATIONS</th></tr><tr><td>Outer casing</td><td>Stator housing</td><td rowspan="3">Aluminium alloy</td></tr><tr><td>Bearing housing</td><td>Oil housing</td></tr><tr><td>Diffusers</td><td>Suction covers</td></tr><tr><td>Oil housing</td><td>Diffusers</td><td rowspan="2">Co-polymer polyurethane wear protection</td></tr><tr><td>Suction covers</td><td></td></tr><tr><td colspan="2">Impellers</td><td>Stainless steel</td></tr><tr><td colspan="2">Mechanical seals</td><td>316 Stainless steel / Viton + Tungsten / Silicon carbides</td></tr><tr><td colspan="2">Rotor shaft</td><td>Duplex Stainless steel</td></tr><tr><td colspan="2">O-rings</td><td>NBR + Hi-temp HNBR + Viton</td></tr><tr><td colspan="2">Strainer</td><td>316 Stainless steel</td></tr></table>		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																					
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																																																			