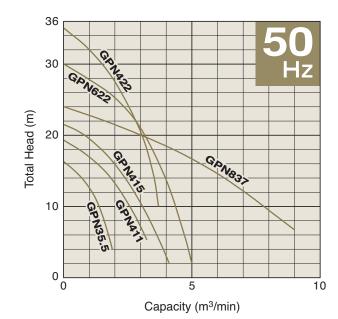
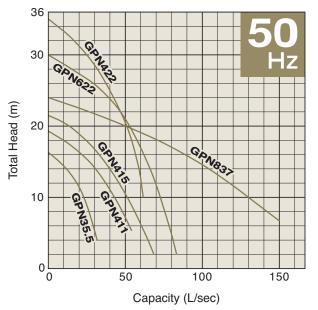
Tsurumi Pump	AUSTRALIA	Slurry Pumps
Series:	Discharge Bore:	Motor Output / Pole:
GPN	80 - 200mm	5.5 - 37kW / 4∙6-pole
	duty slurry pump driven by a 4-pole or chromium cast iron agitator that assist The other wear parts such as the impe of high-chromium cast iron for extra design allows smoother passage of	ee-phase high power and extra heavy- 6-pole motor. It is equipped with a high- s smooth suction of the settled matters. Iller and the suction plate are also made durability. The side discharge, spiral the sucked solid matters. The motor res efficient motor cooling even when it

Selection Table

Dry Weight	Pole	Starting Method	Phase	Motor Output	Discharge Bore	Model
kg				kW	mm	
160	4	Direct on Line	3-phase	5.5	80	GPN35.5
239	4	Direct on Line	3-phase	11	100	GPN411 (*)
242	4	Direct on Line	3-phase	15	100	GPN415
410	4	Direct on Line	3-phase	22	100	GPN422 (*)
415	4	Direct on Line	3-phase	22	150	GPN622 (*)
815	6	Star-Delta	3-phase	37	200	GPN837
	4	Direct on Line	3-phase	22	150 200	GPN622 (*)

Performance Curves





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Tsurumi Pump		AUST	RALIA	Slurry Pumps
				GPN-series
SPECIFICATIONS	Model	GPN	35.5	5.5kW, 3-phase
SPECIFICATIONS Type of Pump Submersible slurry pump for works, mining, and quarries Water Jacket Equipped with a water jack A portion of the pumped liq water jacket to cool the mot Type of Fluid Water containing sand, muc Temperature: 0 to 40°C Discharge Bore & Conne 80mm (3"), Hose Nipple Motor Output 5.5kW Power Supply Three-phase Starting Method Direct on Line Motor Continuous-duty rated, dry- Insulation Class: 415V: F Degree of Protection: IP68 No. of Poles & Speed (Sync 4-pole, 1500min ⁻¹ (50Hz) Power Supply Voltages & Ra 50Hz 415V – 11.7A Power Cable 415V: PCP sheathed 600V cable of Standard Length: 8m x 1 ca 4 x 2.5mm ² , O.D. 12.4mm (6 or 4 x 3.5mm ² , O.D. 16.8mm Dry Weight (excluding ca	s, etc. ket, around the m juid is allowed to f for. d, and slurry ection type induction mo chronous Speed) ated Currents (H07RN-F equiv.) ated Speed) ated Speed) ated Currents	d foundation notor frame. flow into the	 Impeller Semi-open impeller made of Solids Passage: ≠30mm Agitator High-chromium cast iron Suction Plate Made of high-chromium cast abrasion-resistance Cable Entry with Anti-Wick Watertight cable entry with s wicking block prevents wate action should the power cate submerged. Bearing Permanently lubricated, dee C3 ball bearings Shaft Chromium molybdenum steel Shaft Seal (Mechanical Se Furnished with a double-face oil chamber. Both upper and in a clean environment. Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC Oil Seal (Lip Seal) Used as a "Dust Seal", it pro from abrasive particles. OIL LIFTER Equipped in oil chamber. It foil to the mechanical seal and to the upper seal faces even rated volume. Type of Lubricating Oil & Volu Turbine Oil (ISO VG32), 1100 Motor Protection Device 	5.5kW, 3-phase
Standard Length: 8m x 1 ca 4 x 2.5mm ² , O.D. 12.4mm (6 or 4 x 3.5mm ² , O.D. 16.8mm	ble 60245 IEC 66) n		Type of Lubricating Oil & Volu Turbine Oil (ISO VG32), 1100	ml or (CTP) ouilt in the motor housing. t if excessive heat builds up
Optional Accessory BSPT Male Threaded Co			Special Specification High Temperature Liquids	

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Tsurumi Pump		AUST	RALIA	Slurry Pumps
SPECIFICATIONS	Model	GPN	N411	GPN-series
				11kW, 3-phase
Type of Pump Submersible slurry pump for works, mining, and quarries Water Jacket Equipped with a water jack A portion of the pumped liq water jacket to cool the mote Type of Fluid Water containing sand, muce Temperature: 0 to 40°C Discharge Bore & Conner 100mm (4"), Hose Nipple Motor Output 11kW Power Supply Three-phase Starting Method Direct on Line	r construction and s, etc. ket, around the uid is allowed to or. d, and slurry	nd foundation motor frame.	Impeller Semi-open impeller made of I Solids Passage: #30mm Agitator High-chromium cast iron Suction Plate Made of high-chromium cast abrasion-resistance Cable Entry with Anti-Wic Watertight cable entry with s wicking block prevents wate action should the power cab submerged. Bearing Permanently lubricated, deer C3 ball bearings Shaft Chromium molybdenum steel	high-chromium cast iron iron, excellent in Eking Block train-relief device. The anti- r incursion due to capillary ole be damaged or the end ep-groove, double-shielded
Motor Continuous-duty rated, dry- Insulation Class: 415V: F, 10 Degree of Protection: IP68 No. of Poles & Speed (Sync 4-pole, 1500min ⁻¹ (50Hz) Power Supply Voltages & Re 50Hz 415V – 22.5A 1000V – (9. Power Cable 415V: PCP sheathed 600V cable of Standard Length: 8m x 1 ca 4 x 4mm ² , O.D. 13.8mm (60 or 4 x 5.5mm ² , O.D. 19.8mm 1000V: PCP sheathed, overall scre PLATINUM®, 1.1/1.1kV, MES Standard Length: 20m x 1 co 3 x 2.5mm ² + GC control +	200V: F or H shronous Speed) ated Currents 1)A (H07RN-F equiv. ble 245 IEC 66) 1 ened 1.1kV Minir S5G2.5SCR able 2 x Ground, O.D. cceptable Macey) ng cable 18.8mm	 Shaft Seal (Mechanical Se Furnished with a double-face oil chamber. Both upper and in a clean environment. Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC Oil Seal (Lip Seal) Used as a "Dust Seal", it pro from abrasive particles. OIL LIFTER Equipped in oil chamber. It foil to the mechanical seal and to the upper seal faces even rated volume. Type of Lubricating Oil & Volu Turbine Oil (ISO VG32), 2500 Motor Protection Device 415V: Circle Thermal Protector A circle thermal protector to Directly cuts the motor circuit or an overcurrent condition of 1000V: MTP & Ground-Check The MTPs are connected w series into the Ground-Check If excessive heat builds up a or Ground-fault happens, the off by using an external control 	mechanical seal located in lower seal faces always run otects the mechanical seal forcibly supplies lubricating d continues to supply the oil in if lubricant falls below the ime or (CTP) ouilt in the motor housing. t if excessive heat builds up ccurs in the motor. a Diode vith a diode (3A-1000V) in a circuit in the motor. and the bimetal strip opens, a power supply can be shut
Optional Accessory BSPT Male Threaded Co	upling		Special Specification High Temperature Liquids	

AUS	TRALIA	Slurry Pumps
lodel GP	N415	GPN-series 15kW, 3-phase
c. around the motor frame.	 Solids Passage: #30mm Agitator High-chromium cast iron Suction Plate Made of high-chromium cast i abrasion-resistance Cable Entry with Anti-Wick Watertight cable entry with st wicking block prevents water action should the power cab submerged. Bearing Permanently lubricated, dee C3 ball bearings Shaft Chromium molybdenum steel Shaft Seal (Mechanical Sea Furnished with a double-face oil chamber. Both upper and I in a clean environment. Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC Oil Seal (Lip Seal) Used as a "Dust Seal", it pro from abrasive particles. OIL LIFTER Equipped in oil chamber. It fo oil to the mechanical seal and to the upper seal faces even rated volume. Type of Lubricating Oil & Volut Turbine Oil (ISO VG32), 25000 Motor Protection Device 415V: Circle Thermal Protector b Directly cuts the motor circuit 	nigh-chromium cast iron ron, excellent in king Block train-relief device. The anti- incursion due to capillary le be damaged or the end p-groove, double-shielded al) mechanical seal located in ower seal faces always run etects the mechanical seal orcibly supplies lubricating a continues to supply the oil if lubricant falls below the me ml r (CTP) wilt in the motor housing. if excessive heat builds up
ling		
	Iodel GP Instruction and foundation around the motor frame. is allowed to flow into the Ind slurry on e induction motor nous Speed) I Currents //RN-F equiv.) IEC 66)	Instruction and foundation around the motor frame. is allowed to flow into the and slurry on around the motor frame. is allowed to flow into the and slurry on around the motor frame. is allowed to flow into the and slurry on around the motor frame. and slurry on around the motor frame. and slurry on around the motor frame. and slurry on around the motor frame. and slurry on around the motor frame. around the motor fr

Tsurumi Pump

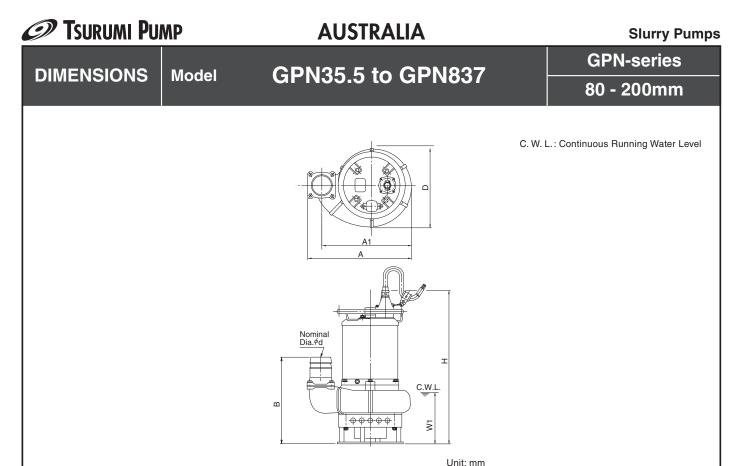
AUSTRALIA

Slurry Pumps

TSURUMI PUMP		AUST	RALIA	Slurry Pumps	
SPECIEICATIONS			422	GPN-series	
	model			22kW, 3-phase	
Type of Pump Submersible slurry pump for works, mining, and quarries,		d foundation	Impeller Semi-open impeller made of	nigh-chromium cast iron	
Water Jacket Equipped with a water jack A portion of the pumped liqu water jacket to cool the moto	uid is allowed to t		Solids Passage: #30mm Agitator High-chromium cast iron		
Type of Fluid Water containing sand, mud	, and slurry		Adjustable Suction Plate Made of high-chromium cast resistance. It can be impro clearance.	iron, excellent in abrasion- ved by adjusting impeller	
Temperature: 0 to 40°C Discharge Bore & Conne 100mm (4"), Hose Nipple Motor Output 22kW	ection		Cable Entry with Anti-Wic Watertight cable entry with s wicking block prevents water action should the power cab submerged.	train-relief device. The anti- r incursion due to capillary	
Power Supply Three-phase			Bearing Permanently lubricated, dee C3 ball bearings	p-groove, double-shielded	
Starting Method Direct on Line			Shaft Chromium molybdenum steel		
Motor Continuous-duty rated, dry-t		otor	Shaft Seal (Mechanical Se Furnished with a double-face oil chamber. Both upper and	mechanical seal located in	
Insulation Class: 415V: F, 10 Degree of Protection: IP68 No. of Poles & Speed (Synch			in a clean environment. Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC		
4-pole, 1500min ⁻¹ (50Hz) Power Supply Voltages & Ra 50Hz 415V – 42A 1000V – (17.5)	ted Currents		Oil Seal (Lip Seal) Used as a "Dust Seal", it pro from abrasive particles.	otects the mechanical seal	
Power Cable 415V: PCP sheathed 600V cable (I Standard Length: 10m x 1 ca 4 x 14mm ² + 3 x 2mm ² , O.D.	, H07RN-F equiv.) able		OIL LIFTER Equipped in oil chamber. It if oil to the mechanical seal and to the upper seal faces even rated volume.	d continues to supply the oil	
1000V: PCP sheathed, overall scree		g cable	Type of Lubricating Oil & Volu Turbine Oil (ISO VG32), 3600		
PLATINUM®, 1.1/1.1kV, MES Standard Length: 20m x 1 ca 3 x 2.5mm ² + GC control + 2 (ac	able		Motor Protection Device 415V: Miniature Thermal Prote A miniature thermal protect winding of the motor. Should the bimetal strip opens to cau	tor is embedded in each d excessive heat builds up,	
Dry Weight (excluding cab 410kg)le)		the power supply. 1000V: MTP & Ground-Check	Diode	
Optional Accessory BSPT Male Threaded Cor	upling		The MTPs are connected w series into the Ground-Check If excessive heat builds up a or Ground-fault happens, the off by using an external control	circuit in the motor. nd the bimetal strip opens, power supply can be shut	
Special Specification High Temperature Liquid			Leakage Sensor (415V on Made of 304 stainless steel. panel to alert operators of v chamber.	It can be wired to a control	

C TSURUMI PUMP		AUST	RALIA	Slurry Pumps		
	Model		1600	GPN-series		
SPECIFICATIONS	Model	GPN		22kW, 3-phase		
Type of Pump Submersible slurry pump fo works, mining, and quarries		nd foundation	Impeller Semi-open impeller made of h	nigh-chromium cast iron		
Water Jacket Equipped with a water jacl A portion of the pumped liq	uid is allowed to		Solids Passage: ∉30mm Agitator High-chromium cast iron			
water jacket to cool the mot Type of Fluid Water containing sand, muc			Adjustable Suction Plate Made of high-chromium cast resistance. It can be impro clearance.			
Temperature: 0 to 40°C Discharge Bore & Conne 150mm (6"), Hose Nipple Motor Output	ection		Cable Entry with Anti-Wic Watertight cable entry with st wicking block prevents water action should the power cab submerged.	train-relief device. The anti- r incursion due to capillary		
22kW Power Supply Three-phase			Bearing Permanently lubricated, dee C3 ball bearings	p-groove, double-shielded		
Starting Method Direct on Line			Shaft Chromium molybdenum steel			
Motor Continuous-duty rated, dry- Insulation Class: 415V: F, 10		otor	Shaft Seal (Mechanical Sea Furnished with a double-face oil chamber. Both upper and in a clean environment.	mechanical seal located in		
Degree of Protection: IP68 No. of Poles & Speed (Sync			Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC			
4-pole, 1500min ⁻¹ (50Hz) Power Supply Voltages & Ra 50Hz	ated Currents		Oil Seal (Lip Seal) Used as a "Dust Seal", it pro from abrasive particles.	ptects the mechanical seal		
415V – 42A 1000V – (17.5 Power Cable 415V: PCP sheathed 600V cable (Standard Length: 10m x 1 c 4 x 14mm ² + 3 x 2mm ² , O.D	(H07RN-F equiv.) able)	OIL LIFTER Equipped in oil chamber. It f oil to the mechanical seal and to the upper seal faces even rated volume.	continues to supply the oil		
1000V: PCP sheathed, overall scre PLATINUM®, 1.1/1.1kV, MES Standard Length: 20m x 1 c 3 x 2.5mm ² + GC control + 3	ened 1.1kV Minin S5G2.5SCR able	. 18.8mm	Type of Lubricating Oil & Volu Turbine Oil (ISO VG32), 3600 Motor Protection Device 415V: Miniature Thermal Protect A miniature thermal protect winding of the motor. Should the bimetal strip opens to cau	ml ector (MTP) tor is embedded in each I excessive heat builds up,		
Dry Weight (excluding ca 415kg	ble)		the power supply. 1000V: MTP & Ground-Check The MTPs are connected w	Diode ith a diode (3A-1000V) in		
Optional Accessory BSPT Male Threaded Co			series into the Ground-Check If excessive heat builds up a or Ground-fault happens, the off by using an external contro	nd the bimetal strip opens, power supply can be shut		
Special Specificatio			Leakage Sensor (415V onl Made of 304 stainless steel. panel to alert operators of v chamber.	It can be wired to a control		

🥟 Tsurumi Pump	AUSTRALIA	Slurry Pumps
	GPN837	GPN-series
		37kW, 3-phase
Type of Pump Submersible slurry pump for construction and	d foundation Semi-open impeller made o	of high-chromium cast iron
works, mining, and quarries, etc.	Solids Passage: #46mm	
Water Jacket Equipped with a water jacket, around the m A portion of the pumped liquid is allowed to f water jacket to cool the motor.		
Type of Fluid Water containing sand, mud, and slurry		e st iron, excellent in abrasion- roved by adjusting impeller
Temperature: 0 to 40°C	Cable Entry with Anti-W	isking Block
Discharge Bore & Connection 200mm (8"), Hose Nipple	Watertight cable entry with wicking block prevents wat	strain-relief device. The anti- ter incursion due to capillary able be damaged or the end
Motor Output 37kW	submerged.	Jan
Power Supply Three-phase	Bearing Permanently lubricated, de C3 ball bearings	eep-groove, double-shielded
Starting Method Star-Delta	Shaft Chromium molybdenum ste	el
Motor Continuous-duty rated, dry-type induction mo		Seal) ce mechanical seal located in d lower seal faces always run
Insulation Class: 415V: F Degree of Protection: IP68	in a clean environment.	
No. of Poles & Speed (Synchronous Speed) 6-pole, 1000min ⁻¹ (50Hz)	Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC	
Power Supply Voltages & Rated Currents 50Hz 415V – 73A	from abrasive particles.	protects the mechanical seal
Power Cable 415V: PCP sheathed 600V cable (H07RN-F equiv.) Standard Length: 10m x 3 cables	oil to the mechanical seal a	t forcibly supplies lubricating and continues to supply the oil en if lubricant falls below the
Cable 1: 4 x 14mm ² , O.D. 25.6mm Cable 2: 4 x 14mm ² , O.D. 25.6mm (cut-off 1 w Cable 3: 4 x 1.25mm ² , O.D. 11.1mm (cut-off 1 y		
Dry Weight (excluding cable) 815kg	winding of the motor. Shou	
		only) I. It can be wired to a control f water incursion into the oil
Optional Accessory BSPT Female Threaded JIS 10kg/cm ² Fla	ange	



							01111.11111
Model	d	А	A1	В	D	Н	W1
GPN35.5	80	487	425	449	390	841	290
GPN411 (*)	100	617	518	500	452	924	315
GPN415	100	617	518	500	452	924	315
GPN422 (*)	100	725	625	488	572	1102	300
GPN622 (*)	150	725	625	528	572	1102	300
GPN837	200	1015	850	898	749	1606	560
* : available for 1000V supply							