

# DOMESTIC PRESSURE PUMPS

## Inline Horizontal Multistage Pump

THE NEW e-HM:  
LARGER RANGE  
BEST IN CLASS  
EFFICIENCY  
AND MORE OPTIONS

### e-HM Series with CentriPro PC Automatic Pump Controller

#### MARKET SECTIONS

- » Domestic Building Services
- » Light Industrial

#### APPLICATIONS

- » AS/NZS 4020 Compliant; Suitable for drinking water
- » Pressure boosting and water supply systems
- » Washing and cleaning industry including vehicle washing
- » Circulation of hot and cold liquids (water and glycol) for heating, cooling and airconditioning systems
- » Water treatment applications
- » Handling of moderately aggressive liquids
- » Food and beverage industries
- » Rainwater Harvesting
- » Household water supply

#### SPECIFICATIONS

##### PUMP

- » Flow rate: up to 29m<sup>3</sup>/h
- » Head: up to 160m
- » Ambient temperature:
  - Three phase motor versions from -30°C to +50°C
  - Single phase motor versions from -30°C to +45°C (From -30°C to +40°C for 0.95kW motor)
- » Temperature of the pumped liquid:
  - +90°C for versions with Three phase motor uses as EN60335-2-41
  - +120°C for versions with Three phase motor and stainless steel impeller (HM..S, HM..N) uses other than EN60335-2-41
- » +60°C for versions with Single phase motor
- » Maximum operating pressure:
  - 10 bar (PN 60) for pumps with Noryl™ impeller
  - 16 bar (PN 16) for pumps with stainless steel impeller and Q1BEGG or Q1Q1EGG mechanical seal (maximum liquid temperature +90°C)
- » Connections: Rp threaded for both suction and discharge manifold
- » Hydraulic performances compliant with ISO 9906: 2012 - Grade 3B



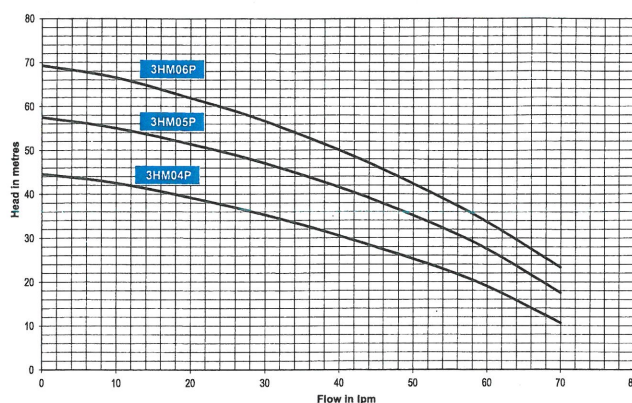
##### MOTOR

- » Electric short-circuit squirrel-cage motor (TEFC), enclosed construction, air-cooled, 2 pole:
  - Three phase, efficiency class IE3 (compliant with Regulation (EC) n. 640/2009 and IEC 60034-30)
  - Single phase version up to 2.2 kW (with built-in automatic reset overload protection)
- » Protection Class: IP 44
- » Insulation Class: F
- » Performances according to EN 60034-1
- » Standard Voltage:
  - Single phase: 220-240V, 50Hz
  - Three phase: 220-240/380-415V, 50Hz up to 3kW
  - 380/415/660-690V, 50Hz from 4kW included

# DOMESTIC PRESSURE PUMPS

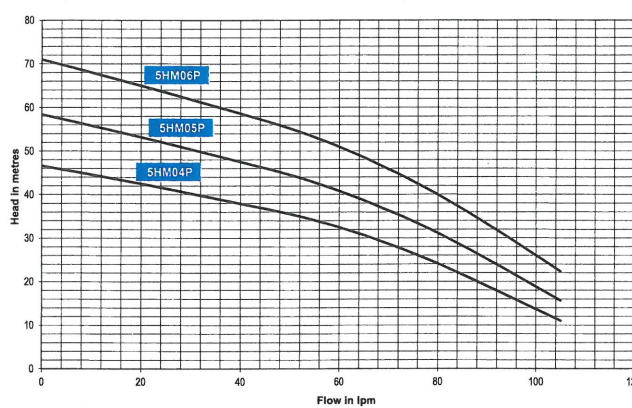
## 3HM P Version + APC

PUMP TYPE	RATED POWER kW	LITRES PER MINUTE						
		0	20	29	38	47	56	65
3HM04S + WPC1.5	0.50	29.5	27.7	25.8	23.7	21.0	17.8	13.1
3HM05S + WPC1.5	0.50	36.6	35.2	32.0	29.5	25.9	21.8	15.6
3HM07S + WPC2.2	0.55	51.7	50.1	47.0	43.7	38.0	31.3	24.2



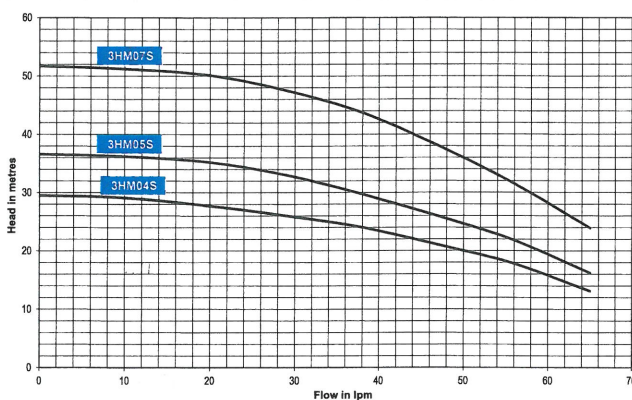
## 5HM P Version + APC

PUMP TYPE	RATED POWER kW	LITRES PER MINUTE						
		0	40	53	66	79	92	105
5HM04P + WPC1.5	0.75	46.6	37.9	34.7	30.5	24.6	17.9	11.0
5HM05P + WPC2.2	0.95	58.4	47.5	43.5	38.5	31.7	23.9	15.6
5HM06P + WPC2.2	1.1	71.0	58.6	54.0	48.3	40.6	31.8	22.3



## 3HM S Version + APC

PUMP TYPE	RATED POWER kW	LITRES PER MINUTE						
		0	40	53	66	79	92	105
3HM04S + WPC1.5	0.50	29.5	27.7	25.8	23.7	21.0	17.8	13.1
3HM05S + WPC1.5	0.50	36.6	35.2	32.0	29.5	25.9	21.8	15.6
3HM07S + WPC2.2	0.55	51.7	50.1	47.0	43.7	38.0	31.3	24.2



## 5HM S Version + APC

PUMP TYPE	RATED POWER kW	LITRES PER MINUTE						
		0	40	53	66	79	92	105
5HM04S + WPC1.5	0.50	29.2	25.2	23.3	18.1	12.0	8.5	
5HM06S + WPC2.2	0.75	44.2	39.7	36.9	30.9	23.6	18.6	16.1
5HM08S + WPC2.2	0.95	58.8	53.0	49.1	41.9	33.3	26.7	23.9

