

AUSSIE QUIK PRIME SELF PRIMING CENTRIFUGAL PUMPS

RISK ASSESSMENT

8 May 2014

MODELS:

In line with the National Occupation Health & Safety Commission's requirements the data below applies to the Aussie QP self priming centrifugal pump model numbers:-

TRANSFER PUMPS

QP1
QP207
QP209
QP303
QP3310
QP402
QP602

HP PUMPS

QP1545X
QP205SE
QP205SL
QP305SL
QPT205SLT
QP3310SL
QP3310SX
QP402SL
QP402SX

TRASH PUMPS

QP2035
QP300T
QP3015
40T

DESCRIPTION:

Engine drive heavy duty self priming centrifugal pump designed for dewatering and dirty water handling applications.

MATERIAL CONSTRUCTION:

Aussie Quick Prime self priming centrifugal pumps are manufactured from top quality materials. Body and back plates are from high quality marine grade aluminium, whilst impellers and volutes are high SG cast iron, for abrasive resistance and durability.

Mechanical seals carbon ceramic (dewatering pumps) or silicon carbide (trash pumps). Pumps come with petrol or diesel engine drives, are mounted in heavy duty fully enclosed frames with anti-vibration mounts (except QP205SE/GX160). Pumps can also be supplied trolley mounted for operator convenience.

RISK RANKING METHOD:

Risk is the combination of the likelihood of a specific unwanted event and the potential consequences if it should occur.

PROBABILITIES:

- A. Common or repeating occurrence.
- B. Known to occur or "it has happened".
- C. Could occur, or "I've heard of it happening".
- D. Not likely to occur.
- E. Practically impossible.

CONSEQUENCES FOR PEOPLE:

- 1. Fatality or permanent disability.
- 2. Serious lost time, injury or illness.
- 3. Moderate lost time, injury or illness.
- 4. Minor lost time, injury or illness.
- 5. No lost time.

RISK RANKING METHOD:

For each event, the appropriate probability (a letter A to E) and consequences (a number 1 to 5) is selected.

RISK RANKING TABLE:

The consequences (loss outcomes) are combined with the probability (of those outcomes) in the risk ranking table to identify the risk rank of each loss event (e.g. a consequence of 3 with a probability of B yields a risk rank of 9).

The table yields a risk rank from 1 to 25 for each set of probabilities and consequences. A rank of 1 is the highest magnitude or risk, that is a highly likely, very serious event.

A rank of 25 represents the lowest magnitude of risk, an almost impossible very low consequence event.

C O N S E Q U E N C E		PROBABILITY				
		A	B	C	D	E
	1	1	2	4	7	11
	2	3	5	8	12	16
	3	6	9	13	17	20
	4	10	14	18	21	23
	5	15	19	22	24	25

SIGNED

QUALITY CONTROL MANAGER

POTENTIAL HAZARD:

Hazard	Yes/No	Risk	Risk Rating	Controls
Suffocation	Yes	Fatality is the risk	7	Machine decal warning about operation in confined spaces
Ergonomic lifting or movement on site	Yes	Personal injury	8	Machine decal warning about correct lifting procedures, Operator's Manual
High temperature (from engine muffler and other components)	Yes	Burns from muffler	15	Warning sticker on machine
Fire or explosion caused by refuelling engine while running	Yes	Serious injury, burns	8	Warning sticker on machine
Noise	Yes	Hearing damage	15	Warning sticker regarding ear muffs to be used during operation
Slipping on wet surface	Yes	Personal injury	9	Warning sticker regarding proper footwear.
Fuel, grease, oil leaking	Yes	Personal injury from slipping	21	Ensure caps are tightly closed, contain spills
Electrical battery charging – possible explosion	Yes	Burns and bodily injuries	16	Wear correct PPE, isolate battery.

AUSTRALIAN PUMP

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