

**TECHNICAL SPECIFICATION FOR SUBMERSIBLE MOTOR PUMP SETS.**

**Type: 200QJ50-234/63KW**

**PUMP HEAD SPECIFICATION :**

Pump Brand	: APK
Country of origin	: CHINA
Pump Type	: Bore well, Diffuser casing Multistage, Submersible Centrifugal Pump.
Pump model	: 200QJ50-234
Power	: 80HP(63KW)
Rated flow / Discharge	: 50 M <sup>3</sup> /hr
Head	: 234 meter.
Rated Speed	: 3550 rpm.
Number of stage	: 13
Installation	: Vertical.
Non-Return Valve	: Built in Disc type non-return valve with Integrated flange at pump discharge end.
Water temperature	: <40 °C
Impeller material	: Cast iron (HT250)
Pump case material	: Cast iron (HT250)
Pump shaft	: 2Cr13
Pump diameter	: 184mm
Discharge diameter	: DN80mm
Pump head length	: 2100mm
Estimate weight	: 150 KG

**MOTOR SPECIFICATIONS :**

Motor Brand	: APK
Country of origin	: CHINA
Type & Motor winding.	: Heavy duty, Bore well, water filled, Water lubricated and water

cooled Squirrel Cage, Re-windable & overhung type winding,  
Vertical installation, Induction Motor suitable for continuous  
operation,

Supply Mains	: AC, 3 Phases, 60 Hz, 440 Volt.
Rated current	: 127.9A
Operation Voltage	: 440V +/-20V
Rated Speed	: 3550 rpm.
Starting Method	: Soft starting
Insulation grade	: F
Protection grade	: IP68
Motor filled wire	: 100% copper wire with water-proof polystyrene coating.
Motor case	: Ductile cast iron
Motor diameter	: 184mm
Estimate weight	: 283kg
Motor length	: 2300mm

**CABLE SPECIFICATIONS :**

<u>Standard</u>	: Q/SVNM3-2014
Cable	: Nylon-Rubber Sheathed, PVC Insulated, Water resistant insulated, suitable for submersible motor.
Cable size	: 3x1*50 mm <sup>2</sup> .
Conductor material	: Cooper
Conductor TEMP	: 50 °C
Length	: 8m

Remarks: The max submerged depth of the pump is 70m.