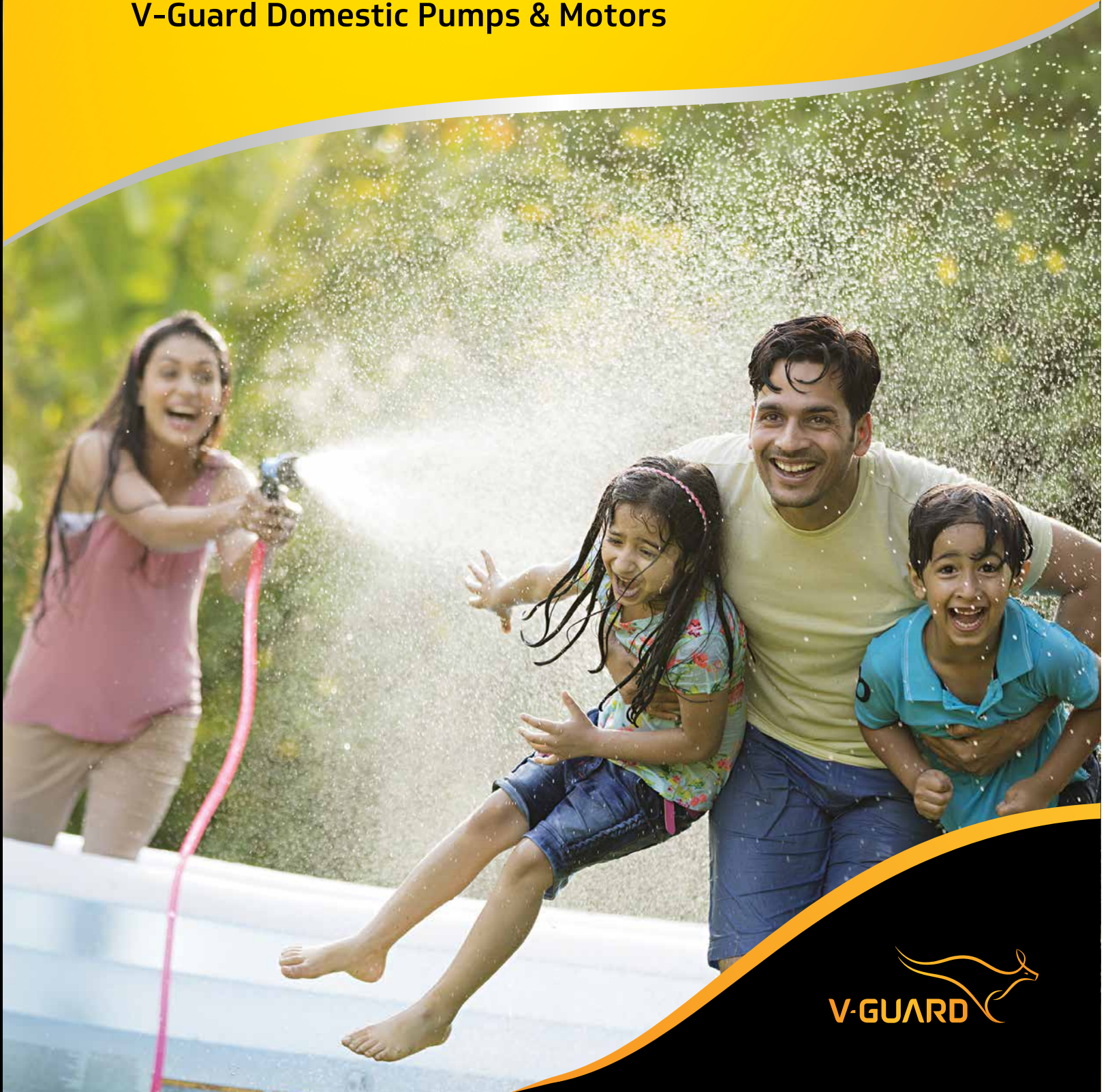


Efficient Pumps. Powerful Motors. The perfect combination.

V-Guard Domestic Pumps & Motors



V-GUARD 



Lasting Performance

The making of V-Guard's Pumps and Motors begins with the procurement of top-grade castings and the finest components. The state-of-the-art manufacturing process is closely monitored with stringent quality checks that meet and exceed international quality standards. The Pumps are built to be sturdy, compact and most importantly, powerful. The Motors make the perfect counterpart for the Pumps by way of delivering superior performance with the least consumption of power. All of this, combined with V-Guard's promise of enriching the consumer's life with thoughtfully engineered products, has come together to make the impeccable combination of V-Guard's Pumps and Motors.

Salient Features



99.9% Copper motor winding



Wide voltage range operation



Assured Quality via Stringent QA process



Guaranteed performance



Silent operation

Products available



REGENERATIVE PUMPS

Premium Series | Neon & Revo Series
| Nova & Neon N Series | Super & Wonder Suction Series
| Slow Speed Series

CENTRIFUGAL PUMPS

VC-Normal Voltage Series | VCN & Neon Series
| VC-Special & Low Voltage Series | Extended Shaft Series
| VCSW Series | VCM & VP Series | VCM Series



BOOSTER PUMPS

Centrifugal Booster Series | Regenerative
Mini Booster Series | Circulatory Series

JET CENTRIFUGAL PUMPS

VJ & VJO Series | Neon Series



OPENWELL PUMPS

VOS & VOSS Series | VOSR Series | Neon & Revo Series
| Nova & VOSK Series | VOSV Series

BOREWELL SUBMERSIBLE PUMPS

3" VBS3 & VBS3AM Series | 2.5" NOVA Series | 3" VBS03 Series | 3.5" VBS4SAM Series
| 4" VBS Series | 4" VBSN & VBSNAM Series | 4" NEON Series | 4" VBSR Series
| 4" VBS2 Series | 4" VBSRAM & VBSRAMW Series | 4" VBS0 & VBSAM Series | 4" NOVA Series





BOREWELL COMPRESSOR PUMP FOR LIFTING WATER WITH AIR DISTRIBUTOR PIPE

- Monobloc Compressor Pumps
- I Belt Driven Compressor pumps

SEWAGE PUMPS

- Dry type submersible induction motor I With SS fasteners
- I Rugged cast iron pump housing



PUMP CONTROL PANELS

- Powder coated MS and Acrylonitrile Butadiene Styrene (ABS) Panels available
- I Provided with pushbutton for voltmeter for enhanced life

SMART SERIES

- Three phase Electric motors conform to IS 12615
- I Comes in Cast Iron body as well as aluminium body



ENDURA SERIES

- Single phase standard duty and heavy duty motors with performance conform to IS 996 I Comes in Cast Iron body and aluminium body

DELITE SERIES

- Single phase commercial duty motors with performance conform to IS 996 I Comes in MS body



High-pressure pumps for low-stress water solutions

V-GUARD PUMPS are designed and developed by V-Guard Industries Ltd., the company which has carved a niche for itself in the last 40 years with a wide range of electrical & electronic products that are used and trusted by more than 50 million people across India. V-Guard Pumps are made from top-grade castings, finest components and high-quality Gun metal using state-of-the-art technology, to conform to the latest International standards. Besides, each and every stage in the manufacturing process is closely monitored through stringent quality tests to ensure impeccable standards, superior performance and unmatched durability. V-Guard Pumps are available in more than 350 models, ranging from 0.18 HP to 3.00 HP to suit all domestic requirements.

IMPORTANT NOTE

- All performance data & technical specifications given in this brochure are based on our lab tests conducted at standard conditions and are likely to change with various field conditions. Friction and flow losses in pipe fittings have not been calculated.
- As improvements are made in design from time to time, specifications and performance are subject to change without prior information.
- The 'Power' shown in the table indicates the output power of the motor; i.e, input power to the pump. So the actual power consumption, that is the input to the motor will be higher than this output and this fact has to be considered while calculating the connected load.





Regenerative Pumps

Compact, Lucrative, and Hassle free.

For clear, cold* water free from abrasive & chemically aggressive particles to satisfy the needs of Domestic water supply, gardens and Lawn sprinklers.

*Max. liquid temperature 45°C

TEFC*, CSR* / CSCR# / CSIR* induction motors as prime mover

Provides constant speed and better torque.

(*Totally enclosed fan cooled, *Capacitor start and run, #Capacitor start Capacitor run & *Capacitor start induction run)

Cast iron and Aluminium extruded/die-casted Motor body*

Makes extremely compact and light weight.

(*Except for VSP series)

Forged Brass impeller

Ensures prolonged life.

99.99% Super enamelled copper windings

Constitutes efficient and long lasting motor.

Superior quality electrical stampings

Ascertain highly efficient motor.

High quality alloy steel motor shaft

Offers rust free, stuck free persistent operation.

Double sealed ball bearings with life lubrication

Enables smooth and silent functioning.

High quality mechanical seal with graphite face

Contributes leak free operation.

Equipped with Thermal Overload Protector (T.O.P)

Assures safe and secure operation.

Wide voltage band operation

Maintaining consistent performance.

Operating/Technical specifications

Input supply: 1Φ AC, 160-240V*, 50Hz (*Voltage required at motor input terminal)

Power range: 0.18 – 1.1kW (0.25 to 1.5HP)

Head range: Up to 60m (200 ft.)

Flow range: 4500 – 300LPH

Rated Speed: 2800rpm

Type of duty: S1 (Continuous)

Insulation class: F/B

Rotation: Counter clockwise, when viewed from pump side

Premium Series

VSPAR, VSPAD, VSPA & VSPRC Series

Speciality

- Premium quality pump sets.
- ISI Models available.
- Brass inserted casing for improved performance and serviceability in VSPAR Series.
- Light weight, compact, powder coated aluminium die-casted body in VSPAR & VSPAD Series.
- VSPA Series possess powder coated aluminium extruded/Die Casted body.
- F-Class electrical insulation in VSPAR & VSPAD Series while B-Class in VSPA Series.
- Energy efficient motor.
- Stainless steel hardwares (except VSPA series).
- IP 55 dust proof and splash proof (only for VSPAR).
- Available models from 0.25 - 1.5HP.
- 24/25 months service warranty.



VSPAR-F180



VSPAD-H100



VSPRC-F130

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH																			
	HP	kW	Suction	Delivery	m	6	9	12	15	18	21	24	27	30	33	36	39	42	45	50	53	55	60	
Super Premium Model																								
VSPAR-F180**	1	0.75	2.5	2.5	LPH	3700	3500	3200	3000	2800	2600	2500	2350	2150	2050	1850	1700	1600	1400	1200	1100	1000	700	
*Super premium model with 25 months service warranty.																								
Premium Models																								
VSPA-Q60*	0.25	0.18	2.0	2.0	LPH	1500	1300	1050	850	700														
VSPA-H80*	0.5	0.37	2.5	2.5		1900	1650	1500	1300	1100	900	750												
VSPRC-H80-PRO	0.5	0.37	2.5	2.5		1900	1650	1400	1250	1050	850	650	450											
VSPAD-H100*	0.5	0.37	2.5	2.5		2200	1840	1700	1550	1400	1250	1150	980	720										
VSPAD-F110	1	0.75	2.5	2.5		2550	2350	2150	1950	1730	1500	1250	1000	750	450									
VSPRC-F130	1	0.75	2.5	2.5		2100	1950	1750	1600	1450	1250	1100	950	750	600	450	300							
VSPAD-F150	1	0.75	2.5	2.5		3550	3350	3100	3000	2800	2550	2450	2200	2050	1900	1700	1500	1300	1100	900	750			
VSPA-F160-PRO	1	0.75	2.5	2.5		3600	3450	3300	3100	2900	2700	2550	2300	2100	1950	1750	1550	1350	1200	950	800	650		
VSPAD-FH180	1.5	1.1	2.5	2.5		4500	4250	4200	4000	3800	3650	3400	3250	3000	2800	2700	2350	2150	2050	1700	1400	1200	900	
*ISI Models																								



NEON & REVO Series

Speciality

- Economic pump set.
- ISI models are available.
- Normal voltage as well as Low voltage models are available in Revo Series.
- Aluminium extruded motor body with FG 200 Castings.
- High Quality alloy steel Motor shaft.
- B-Class electrical insulation.
- Zinc coated hardwares.
- 12/18/24 months service warranty.
- Available models from 0.5 - 1.5HP.



NEON-F150



NEON-RH110



REVO-H Plus

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH																
	HP	kW	Suction	Delivery	m	6	9	12	15	18	21	24	27	30	33	36	39	42	45		
NEON -H80*	0.5	0.37	2.5	2.5	LPH	1600	1350	1200	1000	825	600	400									
NEON-RH110*	0.5	0.37	2.5	2.5		2100	1950	1800	1550	1400	1250	1100	900	750	550						
NEON-F130	1	0.75	2.5	2.5		2100	1950	1750	1600	1450	1250	1100	950	750	600	450	300				
NEON-F150*	1	0.75	2.5	2.5		2700	2550	2450	2200	2000	1850	1650	1500	1300	1200	1050	850	700	550		
NEON-FH150*	1.5	1.1	2.5	2.5		4300	4100	3900	3700	3500	3250	3000	2750	2500	2250	2000	1750	1500	750		
REVO Series - Normal Voltage Models																					
REVO-H90	0.5	0.37	2.5	2.5	LPH	1350	1200	1050	950	850	700	550	350								
REVO-H Plus	0.5	0.37	2.5	2.5		1550	1300	1150	950	800	550	350									
REVO-F Plus	1	0.75	2.5	2.5		2100	1950	1750	1600	1450	1250	1100	950	700	550	400					
REVO Series - Low Voltage Models																					
REVO-LH110	0.5	0.37	2.5	2.5	LPH	2000	1700	1550	1350	1150	1050	900	750	600	350						
REVO-LF150	1	0.75	2.5	2.5		2700	2550	2450	2200	2000	1850	1650	1500	1300	1200	1050	850	700	550		

*ISI models

NOVA & NEON - N Series

Speciality

- Economic pump set.
- Aluminium extruded motor body with FG 200 Castings.
- High Quality alloy steel motor shaft.
- B-Class electrical insulation.
- Zinc coated hardware.
- 18 months service warranty.



NOVA-F130



NOVA-H80



NEON-NH80

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH												
	HP	kW	Suction	Delivery	m	6	9	12	15	18	21	24	27	30	33	36	39
NEON-NH60	0.5	0.37	2.5	2.5	LPH	1500	1300	1100	925	750							
NEON-NH80	0.5	0.37	2.5	2.5		1550	1300	1150	950	800	550	350					
NOVA -H60	0.5	0.37	2.5	2.5		1250	1100	900	750	650							
NOVA -H80	0.5	0.37	2.5	2.5		1550	1300	1150	950	900	550	350					
NOVA-F130	1	0.75	2.5	2.5		2100	1950	1750	1650	1450	1250	1100	950	750	600	450	300



SUPER & WONDER Suction Series

Speciality

- Faster self priming capability
- Aluminium extruded motor body with FG 200 Castings.
- Cast Iron motor body is also available. (VSPS series & VSPA W F100)
- ISI models available in Super & Wonder suction Series.
- FG-260 castings in VSPS-H100.
- High Quality alloy steel Motor shaft.
- B-Class electrical insulation.
- Zinc coated hardwares.
- Available up to 1.0HP.
- 18 / 12 months service warranty.



VSPA W-F100



NEON-WSH100



VSPS-H100

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH									
	HP	kW	Suction	Delivery	m	6	9	12	15	18	21	24	27	30
Super Suction Models														
VSPS-H100*	0.5	0.37	2.5	2.5	LPH	2300	1900	1780	1600	1450	1300	1200	1000	750
VSPAS-H100	0.5	0.37	2.5	2.5		2250	1800	1650	1500	1350	1200	1100	900	650
VSPS-F100	1	0.75	2.5	2.5		3200	3000	2800	2550	2400	2300	2150	1900	1700
Wonder Suction Models														
VSPA W-H100	0.5	0.37	2.5	2.5	LPH	1950	1850	1700	1650	1450	1250	1150	1000	900
VSPA W-F100	1	0.75	2.5	2.5		2200	2000	1850	1700	1500	1350	1200	1050	950
NEON-WSH100	0.5	0.37	1.25	1.25		1600	1500	1300	1150	1050	900	750	600	400
NEON-WSF100	1	0.75	2.5	2.5		2150	2000	1850	1700	1500	1350	1200	1050	850

*ISI model

Slow Speed Series

VSP Series

Speciality

- 1440 rpm motors with Minimum wear and tear.
- Higher self-priming capabilities.
- Rigid Cast Iron/MS Body imparts longer endurance and easy maintenance.
- High tensile brass impeller.
- B-Class electrical insulation.
- 12 months service warranty.



VSP-F130



VSP-H80



VSPR-F130

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH													
	HP	kW	Suction	Delivery	m	6	9	12	15	18	21	24	27	30	33	36	39	42
VSP-H80 / 1440	0.5	0.37	2.5	2.5	LPH	2500	2300	2100	1900	1650	1300	1100						
VSP-F130 / 1440	1	0.75	2.5	2.5		3150	2900	2650	2400	2150	2000	1800	1650	1400	1200	950	700	500
VSPC-F130 / 1440	1	0.75	2.5	2.5		3400	3300	3200	2950	2800	2550	2300	2100	1900	1650	1450	1150	850
Single Capacitor Models																		
VSPR-H80 / 1440	0.5	0.37	2.5	2.5	LPH	2800	2500	2300	2050	1850	1350	1000						
VSPR-F130 / 1440	1	0.75	2.5	2.5		3300	3200	3100	2800	2600	2450	2150	1950	1700	1450	1200	950	750

Precautions to use Regenerative Pumps !

- Ensure sufficient ventilation to the pump set and then cover it suitably for protection against unfavorable conditions of weather.
- Connect quality strainers at suction pipe to check entry of foreign particles in to.
- Use standard and proper size cable for electrical connection.
- Cable joint should be intact and as per Instruction manual.
- If seems as if stuck, do electrically isolate the pump set first and then rotate it manually for any stuck; if not, then restart it.





Centrifugal Pumps

Sturdy, Durable and Ace pumping.

For clear, cold* water free from abrasive & chemically aggressive particles to satisfy the needs of domestic water supply, gardens, small farms, irrigation and agricultural applications, draining of wells and tanks, filling water in swimming pool.

*Max. liquid temperature 45°C

TEFC, Capacitor start and run type induction motor

Provides constant speed and better torque.

Rigid Cast Iron-FG200/Aluminium extruded Motor body

Ensures constructional ruggedness for long lasting consistent performance.

Cast iron impeller*

Ensures prolonged operating life.

(*Except for VCM series, NEON-CH45, NEON-CH60, VCN-H80, VCN-H45 (Noryl) and VCA-TF80 (Gun metal)).

99.99% Super enamelled copper windings

Constitutes efficient and long lasting motor.

Superior quality electrical stampings

Ascertain highly efficient motor.

High quality alloy steel motor shaft

Offers rust free, stuck free persistent operation.

Double sealed ball bearings with life lubrication

Enables smooth and silent functioning.

High quality mechanical seal with graphite face

Contributes leak free operation.

Equipped with Thermal Overload Protector (T.O.P)

Assures safe and secure operation.

Wide voltage band operation

Maintaining consistent performance.

Operating/Technical specifications

Input supply: 1Φ AC, 120-240V*, 50Hz
[*Voltage required at motor input terminal]

Power range: 0.37 – 2.2kW (0.5 to 3HP)

Head range: Up to 50m

Flow range: 67200 – 500LPH

Rated Speed: 2800rpm

Type of duty: S1 (Continuous)

Insulation class: F/B

Rotation: Counter clockwise, when viewed from pump side

VC Series - Normal Voltage

Speciality

- Premium quality pump sets.
- Energy efficient motor.
- ISI Models and Star rated available.
- Cast iron impeller; exceptionally Gun metal for VCA-TF80.
- High quality alloy steel motor shaft.
- F-Class electrical insulation in VCS F80; rest of all are B-class.
- Available up to 2HP.
- 12 months service warranty.



VC-H60



VCA-TF90



VCS-F80

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH												
	HP	KW	Suction	Delivery	m	3	6	9	12	15	18	21	24	27	30	33	42
VC-H40	0.5	0.37	4.0	4.0	LPH	*	12000	10000	6500								
VC-H45*	0.5	0.37	2.5	2.5		*	5300	4500	3350	2100							
VC-H50	0.5	0.37	2.5	2.5		*	6000	5000	3800	2500							
VC-H60*	0.5	0.37	2.5	2.5		*	7000	6500	6000	4800	2500						
VC-H80	0.5	0.37	2.5	2.5		*	*	*	6100	5450	4480	3450	1250				
VCA-TF80	0.75	0.55	2.5	2.5		*	*	*	7000	6000	5000	4000	2500	600			
VCA-TF90	0.75	0.55	2.5	2.5		*	*	*	7600	6450	5900	5050	4050	3300			
VC-F25	1	0.75	7.5	7.5		62000	45000	23000									
VC-F40	1	0.75	5.0	5.0		27000	25000	19000	13000								
VC-F60*	1	0.75	4.0	4.0		*	15000	13200	12500	7150	5500						
VC-F80	1	0.75	3.2	2.5		*	*	*	9700	9000	8000	6800	5500				
VCS-F80	1	0.75	3.2	2.5		*	*	*	8000	6800	6500	5500	4000				
VCA-F90	1	0.75	2.5	2.5		*	*	*	8000	7350	6600	5500	5150	3400			
VC-F100	1	0.75	3.2	2.5		*	*	*	8500	8300	7700	7100	6200	5500	4450		
VCS-F110	1	0.75	2.5	2.5		*	*	*	*	*	5500	5000	4600	4200	3300	2000	
VC-FH40	1.5	1.1	6.5	5.0		34000	30000	26000	23000								
VC-FH45	1.5	1.1	5.0	5.0		31100	28500	25500	22100	17100							
VC-FH70	1.5	1.1	5.0	4.0		*	20400	19100	17000	12800	10000	6000					
VC-FH100	1.5	1.1	4.0	3.2		*	*	*	*	12000	10500	9000	6900	3000			
VC-FH140	1.5	1.1	3.2	2.5		*	*	*	*	7500	7400	6800	6200	5600	5000	4000	2000
VC-TW30	2	1.5	10	10		67200	57600	42000									
VC-TW40	2	1.5	7.5	7.5		*	50000	40000	33000								
VC-TW70	2	1.5	5.0	5.0		*	*	*	28000	25000	21000	13000					
VC-TW80	2	1.5	4.0	4.0		*	*	*	16080	15300	14280	13500	11000				
VCS-TW100	2	1.5	4.0	3.2	*	*	*	14500	13500	12500	11000	9000	7500	5000			
VC-TW110	2.0	1.5	4.0	4.0	*	*	*	*	*	*	10800	9600	8100	5700	3900		

‡ Star rated model • ISI models * Denotes over loading region



VCN & NEON Series

Speciality

- Aluminium extruded Motor body* (*Cast Iron body for VCN-F60, VCN-F40).
- ISI models available in VCN series.
- Available with Noryl impeller.
- Comes with B-Class electrical insulation.
- 12 months service warranty.



VCN-H60



VCN-F40



NEON-CH45

PERFORMANCE DETAILS

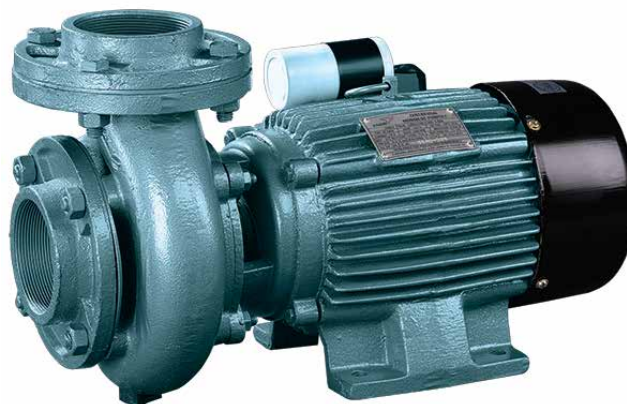
Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH								
	HP	KW	Suction	Delivery	m	3	6	9	12	15	18	21	24
VCN-H45*#	0.5	0.37	2.5	2.5	LPH	*	5000	4100	3000	1900			
VCN-H60*#	0.5	0.37	2.5	2.5		*	5700	4900	3900	2400	1900		
VCN-H80	0.5	0.37	2.5	2.5		*	*	*	5700	4700	3700	2300	800
VCN-F40	1	0.75	5.0	5.0		*	31000	26000	21000				
VCN-F60	1	0.75	5.0	4.0		*	19000	17300	12600	7800			
NEON-CH45*	0.5	0.37	2.5	2.5		*	4900	4000	2400	1800			
NEON-CH60*	0.5	0.37	2.5	2.5		*	5500	4800	3800	2100	1900		
NEON-CF80	1	0.75	3.2	2.5		*	*	*	7800	6700	6200	5200	3700

*ISI models *Overloading region #Noryl impeller

VC Series - Special & Low Voltages

Speciality

- Low voltage models (Voltage range 120-200V) as well as wide voltage models are available.
- Rigid Cast Iron-FG200 Motor body.
- B-Class & F-Class electrical insulation.
- Available up to 3 HP.
- 12 months service warranty.



VCL-TW40



VCL-H40



VCS-TW30

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH						
	HP	kW	Suction	Delivery	m	3	6	9	12	15	18
Special Voltage Models											
VCS-FH50	1.5	1.1	6.5	5.0	LPH	*	35000	28000	22000	15500	
VCS-TW30	2	1.5	10	10		62500	53000	38000			
VCS-TW40	2	1.5	7.5	7.5		*	53500	45000	31000		
VCSE-TW40	2	1.5	7.5	7.5		*	53500	45000	31000		
VCS-TW70	2	1.5	6.5	5.0		*	36500	31500	26500	22000	9000
VCS-TR50	3	2.2	10	10		*	67000	59800	48500	24000	
Low Voltage Models											
VCL-H40	0.5	0.37	4.0	4.0	LPH	*	12000	10000	6500		
VCL-F40	1	0.75	5.0	5.0		27000	25000	19000	13000		
VCL-TW30	2	1.5	10	10		57000	48000	33000			
VCL-TW40	2	1.5	7.5	7.5		*	44000	33500	20000		

*Overloading region



Special Application Centrifugal Pumps Extended Shaft

Speciality

- Specially designed to operate with prime movers other than induction motors and in certain situations as a prime mover for other machines as well.
- Rigid Cast Iron-FG200 body ensures constructional ruggedness.
- Equipped with B-Class insulation.
- 12 months service warranty.



VCE-H40



VCE-TW40

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH				
	HP	kW	Suction	Delivery	m	3	6	9	12
VCE-H40	0.5	0.37	4.0	4.0	LPH	*	12000	10000	6500
VCE-F25	1	0.75	7.5	7.5		62000	45000	23000	
VCE-F40	1	0.75	5.0	5.0		27000	25000	19000	13000
VCE-TW40	2	1.5	7.5	7.5		*	50000	40000	33000

* Overloading region

VCSW Series (Self-Priming Centrifugal Jet)

Speciality

- Aluminium extruded motor body with FG 200 Castings (Aluminium die-casted body for VCSWT-F120).
- Available with Cast Iron, Noryl and Gunmetal impeller.
- Having B-Class electrical insulation.
- Suction Capacity upto 9 metre.
- 12 months service warranty.



VCSW-H90



VCSW-F120



VCSWT-F120

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH												
	HP	kW	Suction	Delivery	m	3	6	9	12	15	18	21	24	27	30	33	36
VCSW-NH70	0.5	0.37	2.5	2.5	LPH	*	2170	2000	1700	1300	950	500					
VCSW-H90	0.5	0.37	2.5	2.5		*	3500	3300	3250	3150	2850	2400	1750	1350			
VCSW-F120	1	0.75	2.5	2.5		*	3700	3600	3450	3300	3150	2900	2700	2300	1750	900	600
VCSWS-F120	1	0.75	2.5	2.5		*	3700	3600	3450	3300	3150	2900	2700	2300	1750	900	600
VCSWT-F120	1	0.75	2.5	2.5		*	*	3900	3800	3750	3650	3400	2900	2300	1700	1300	850

* Overloading region



Multistage VCM Series

Speciality

- Multistage centrifugal pump set.
- Aluminium extruded motor body.
- SS pump body for rust free operation.
- Noryl bowl sets for smooth & silent operation.
- B-class electrical insulation.
- 12 months service warranty.



VCM-F150

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH													
	HP	KW	Suction	Delivery	m	3	6	9	12	15	18	21	24	27	30	33	42	45
VCM-F150	1	0.75	2.5	2.5	LPH	*	*	*	*	*	*	*	4200	3800	3600	3400	2500	2200

* Overloading region

Prime Models VP Series

Speciality

- TEFC, Capacitor start and run type induction motors as prime mover.
- Aluminium extruded Motor body.
- Forged Brass impeller.
- 99.99% Super enamelled copper winding.
- Superior quality electrical stamping.
- High quality alloy steel motor shaft.
- Equipped with Thermal overload protector.
- Wide voltage Band Operation.
- B-Class electrical insulation.
- Available in 0.5 HP.
- 12 months service warranty.



VPA-H100

PERFORMANCE DETAILS

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH												
	HP	kW	Suction	Delivery	m	1.5	3	6	9	12	15	18	21	24	27	30	
					ft	5	10	20	30	40	50	60	70	80	90	100	
VPA-H100*	0.5	0.37	2.5	2.5	LPH	*	*	2200	1840	1700	1550	1400	1250	1150	980	720	

*ISI model

Precautions to use Centrifugal Pumps !

- Ensure sufficient ventilation to the pumpset and then cover it suitably for protection against unfavorable conditions of weather.
- Select a pump that is best suited for the total head requirements as per field conditions and capability to deliver the required volume of water.
- Never use high head models for low head applications.
- Use standard and proper size cable for electrical connection.
- Cable joint should be intact and as per Instruction manual.



Booster Pumps

Up-surged, Incessant and Reliable.

For clear, cold* water free from abrasive & chemically aggressive particles to satisfy the needs of residential pressure boosting applications

*Max. liquid temperature 90°C

Aluminium pressure die-casted body

For non-corrosive, long lasting life.

SS Impeller*

For rust free and consistent performance.

(*Except for mini boosters with brass impellers).

99.9% pure copper winding wires

Provides better electrical operational characteristics.

Superior quality electrical stampings

Ascertain highly efficient motor.

SS410 motor shaft

Offers rust free, stuck free persistent operation.

High quality double sealed ball bearings

For a smooth & silent functioning.

F Class insulation

Improved insulation protection and prevents unwanted energy losses.

SS Hardwares

Ensures endurance against aggressive corrosion failures.

World class pressure tanks

Imported tanks are meant to assure safe working and prolonged operational consistency.

Operating/Technical specifications

Input supply: 1Φ AC, 180-240V*, 50Hz
(*Voltage required at motor input terminal)

Power range: 0.14 – 1.1kW
(0.18 to 1.5HP)

Flow range: 7900 - 215 LPH

Pressure range: 1.5 - 4.5 bar

Rated Speed: 2800rpm

Type of duty: S1 (Continuous)

Insulation class: F

Rotation: Counter clockwise, when viewed from pump side



Centrifugal Booster Series

Speciality

- Premium quality pump sets.
- Rust preventive Aluminium die-casted motor body.
- Rigid built cast iron casings.
- Stainless steel hardwares.
- Fitted with hot water seal.
- Imported pressure tank.
- F-class insulation.
- Suitable for hot water application.

Accessories



Pressure Tank



Pressure sensing switch



Pressure gauge



VB60-FH3B

PERFORMANCE DETAILS & CURVES

Models	Power		Pipe size (cm)		Total head in metres Vs Discharge in LPH														
	HP	kW	Suction	Delivery	LPH														
					m	6	9	12	15	18	21	24	27	30	33	36	39	42	47
VB24-H3A	0.5	0.37	2.5	2.5	*	*	5250	5000	4450	4000	3450	2900	2300	1800	1100				
VB24-F1E	1	0.75	2.5	2.5	3900	3900	3800	3750	3650	3400	2900	2300	1700	1300	850				
VB24-F4A	1	0.75	2.5	2.5	*	*	*	5600	5250	4900	4400	4000	3700	3150	2650	2150	1350		
VB60-FH3B	1.5	1.1	2.5	2.5	*	*	*	*	*	7900	7400	6800	6150	5800	5000	3500	2700	1000	

Models	Power		Pump Stage	Type of Tank	Tank Capacity (L)	Drawdown capacity (L)	Pressure setting range (kg/cm ²)	Max capacity (LPH)	Approximate suitable for
	HP	kW							
VB24-H3A	0.5	0.37	3	Inline vertical	24	10	2.0 to 3.5	5600	2 Bathrooms
VB24-F1E	1	0.75	1	Inline vertical	24	9	2.0 to 3.5	4200	3 Bathrooms
VB24-F4A	1	0.75	4	Inline vertical	24	12	2.0 to 4.5	6000	4 Bathrooms
VB60-FH3B	1.5	1.1	3	Inline vertical	60	35	2.0 to 4.5	9500	5 Bathrooms

*Overloading region

