6" (150 mm)

Water Filled Submersible Motor

60 Hz.

www.virasubmersible.com

VCW6 Water Filled Submersible Motor 6"

Features

- 6" Water filled submersible motor.
- Easily rewindable (wet wound) induction motor with PE insulated windings.
- Corrosion resistant stainless steel stator jacket and shaft.
- Mechanical shaft seal (Carbon/Ceramic) provided.
- Water lubricated radial and axial thrust bearings.
- Counter thrust bearing.
- Motors are pre-filled with clean water + Glycol mixture.
- High efficiency electrical design (lower operating cost).
- Tropicalized design (lower winding temperature).
- 6" NEMA coupling flange.
- Pressure compensation diaphragm.

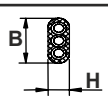
Specifications

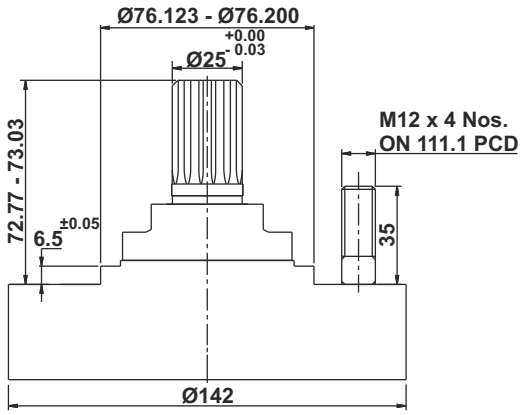
- Ratings: Three phase - 4 to 18,5 kW, 50 Hz
  4 to 22 kW, 60 Hz
- Supply voltages (Tolerance +10% / -15%):
  50 Hz, 3 phase, 380 V, 400 V, 415 V
  60 Hz, 3 phase, 230 V, 380 V, 460 V
- Degree of protection: IP 68
- Continuous duty
- Ambient temperature: 45°C
- Rotation: Three phase - CCW and CW
- Maximum nos. of starts/hour: 20
- Water pH: 6,5 - 8
- Minimum cooling flow along the motor:
  4 to 15 kW - 15 cm/sec
  18,5 to 22 kW - 30 cm/sec
- Motor protection: Select thermal overload protection with trip time < 10 sec. at 5 x In
- Maximum submerged depth: 250 metres
- Mounting: vertical / horizontal.

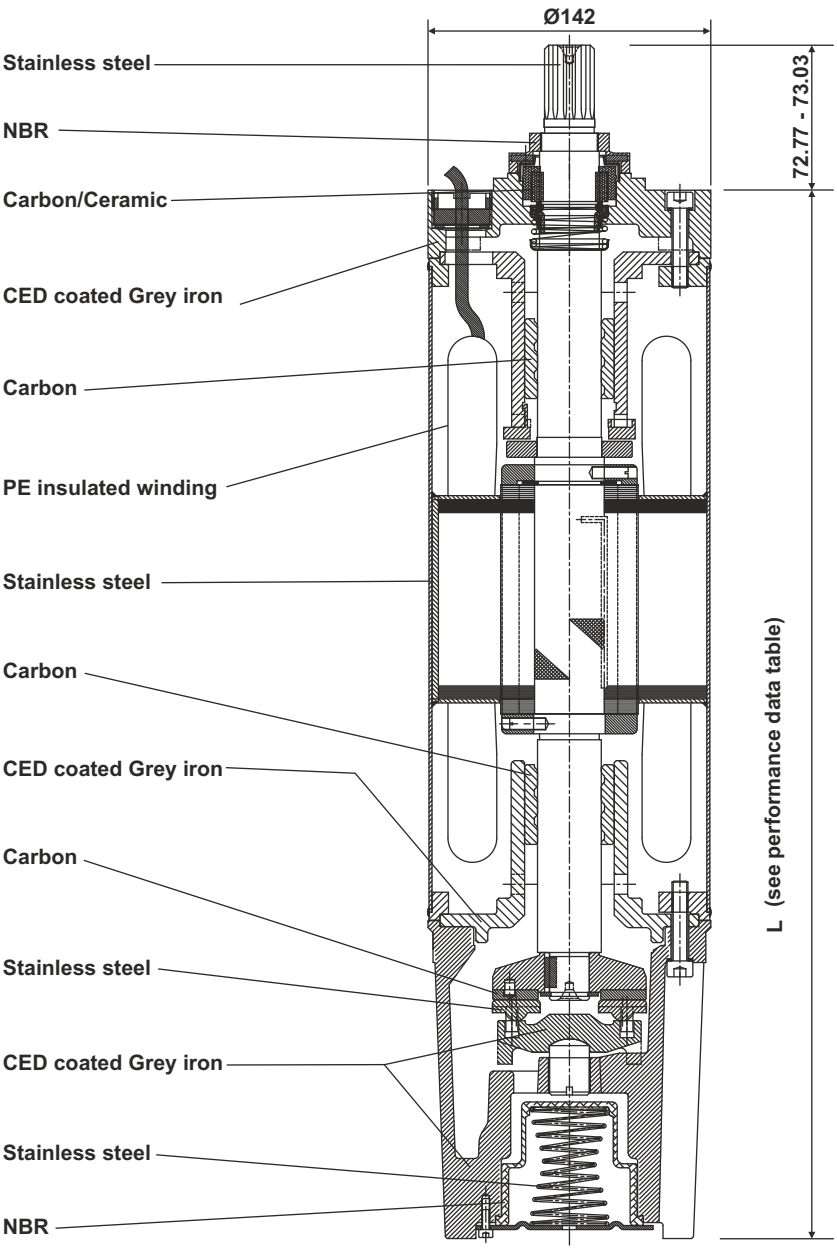
Special features on request

- Mechanical shaft seal Sic/Sic.
- Built-in PT 100 temperature sensor.
- Special voltages.
- Double cable for Star - Delta operation.

Cable data

kW	Type of start	Cable x Leads x Size (mm²)	Length [m]	H x B [mm]	
4 - 22	DOL	1 x 3 x 6	3,5	7,9 x 18,7	





Shaft

Spline shaft: 15 teeth, 16/32 pitch, module 1.5875, 30° pressure angle, coupling tolerance 5 as per ANSI B.92.1, confirming with NEMA 6".

VCW6 Water Filled Submersible Motor 6"

Performance data

60 Hz

Motor type	Pn		Ka [N]	Un [V]	In	Ist/In	n [min⁻¹]	η [%]			COS φ			Tn [Nm]	L [mm]	Gross weight	Gross volume
	kW	HP			[A]			50%	75%	100%	50%	75%	100%			[kg]	[m³]
VCW61552632	4	5,5	15500	230	19,2	5,31	3460	68,9	74,9	76,0	0,61	0,72	0,79	11,04	568	47,0	0,0560
VCW61553632				380	11,3	4,57	3460	70,4	75,9	77,0	0,63	0,73	0,80	11,04			
VCW61554732				460	9,5	4,64	3480	69,4	75,9	77,0	0,63	0,72	0,79	10,98			
VCW61752632	5,5	7,5	15500	230	26,8	5,30	3460	73,9	76,9	78,0	0,61	0,73	0,81	15,19	583	48,5	0,0560
VCW61753632				380	15,3	4,90	3460	74,9	78,4	79,0	0,61	0,74	0,81	15,19			
VCW61754732				460	12,8	4,72	3480	73,9	76,9	78,0	0,62	0,74	0,80	15,10			
VCW62102632	7,5	10	15500	230	33,4	5,41	3460	74,9	77,9	79,0	0,61	0,74	0,82	20,71	613	52,2	0,0560
VCW62103632				380	20,0	5,31	3460	75,4	79,4	80,0	0,62	0,75	0,82	20,71			
VCW62104732				460	16,9	5,07	3480	73,9	77,9	79,0	0,63	0,75	0,81	20,59			
VCW62122632	9,3	12,5	15500	230	42,8	5,55	3460	74,9	77,9	79,0	0,62	0,74	0,82	25,68	663	54,7	0,0560
VCW62123632				380	24,5	4,90	3460	76,4	79,4	80,0	0,65	0,76	0,83	25,68			
VCW62124732				460	20,7	4,89	3480	75,9	78,9	80,0	0,64	0,75	0,81	25,53			
VCW62152632	11	15	15500	230	47,6	5,61	3460	74,9	78,9	80,0	0,63	0,75	0,83	30,38	703	61,0	0,0560
VCW62153632				380	28,9	5,26	3460	76,4	79,4	80,0	0,66	0,76	0,83	30,38			
VCW62154732				460	23,9	5,27	3480	76,4	79,9	81,0	0,65	0,76	0,82	30,20			
VCW62172632	13	17,5	15500	230	56,8	5,65	3460	75,4	78,9	80,0	0,63	0,74	0,83	35,90	751	62,9	0,0560
VCW62173632				380	33,8	5,36	3460	77,4	80,4	81,0	0,66	0,76	0,83	35,90			
VCW62174732				460	28,3	5,36	3480	76,9	79,9	81,0	0,65	0,76	0,82	35,70			
VCW62202632	15	20	15500	230	62,9	5,65	3460	75,9	80,9	82,0	0,64	0,75	0,84	41,42	781	68,5	0,0560
VCW62203632				380	38,1	5,37	3460	77,4	81,4	82,0	0,66	0,77	0,84	41,42			
VCW62204732				460	32,2	5,38	3480	76,9	80,9	82,0	0,66	0,76	0,82	41,18			
VCW62252632	18,5	25	15500	230	79,8	5,66	3460	76,9	81,9	83,0	0,65	0,76	0,83	51,08	851	76,6	0,0660
VCW62253632				380	45,8	5,70	3460	78,4	82,9	84,0	0,68	0,78	0,84	51,08			
VCW62254732				460	38,3	5,69	3480	77,9	82,9	84,0	0,66	0,77	0,83	50,80			
VCW62302632	22	30	15500	230	91,8	5,61	3460	77,9	80,9	83,8	0,66	0,77	0,84	60,75	911	83,0	0,0660
VCW62303632				380	52,9	6,24	3460	78,9	83,4	84,5	0,69	0,78	0,86	60,75			

Pn: Rated output
Ka: Thrust load
Un: Rated voltage
In: Rated current
Ist/In: Locked rotor current/Rated amperage
n: Rated speed
η: Efficiency
cos φ: Power factor
Tn: Rated torque
L: Motor length

VSW6 Water Filled Stainless Steel Submersible Motor 6"

Features

- 6" Water filled stainless steel submersible motor.
- Easily rewindable (wet wound) induction motor with PE insulated windings.
- Completely stainless steel AISI 304 construction.
- Mechanical shaft seal (Carbon/Ceramic) provided.
- Water lubricated radial and axial thrust bearings.
- Counter thrust bearing.
- Motors are pre-filled with clean water + Glycol mixture.
- Shaft extension made of stainless steel AISI 316.
- High efficiency electrical design (lower operating cost).
- Tropicalized design (lower winding temperature).
- 6" NEMA coupling flange.
- Pressure compensation diaphragm.

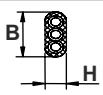
Specifications

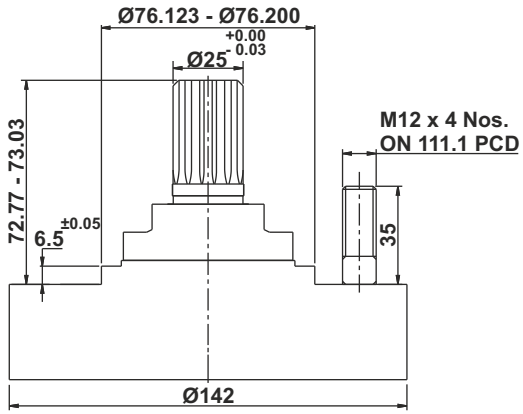
- Ratings: Three phase - 4 to 18,5 kW, 50 Hz
  4 to 22 kW, 60 Hz
- Supply voltages (Tolerance +10% / -15%):
  50 Hz, 3 phase, 380 V, 400 V, 415 V
  60 Hz, 3 phase, 230 V, 380 V, 460 V
- Degree of protection: IP 68
- Continuous duty
- Ambient temperature: 45°C
- Rotation: Three phase - CCW and CW
- Maximum nos. of starts/hour: 20
- Water pH: 6,5 - 8
- Minimum cooling flow along the motor:
  4 to 15 kW - 15 cm/sec
  18,5 to 22 kW - 30 cm/sec
- Motor protection: Select thermal overload protection with trip time < 10 sec. at 5 x In
- Maximum submerged depth: 250 metres
- Mounting: vertical / horizontal.

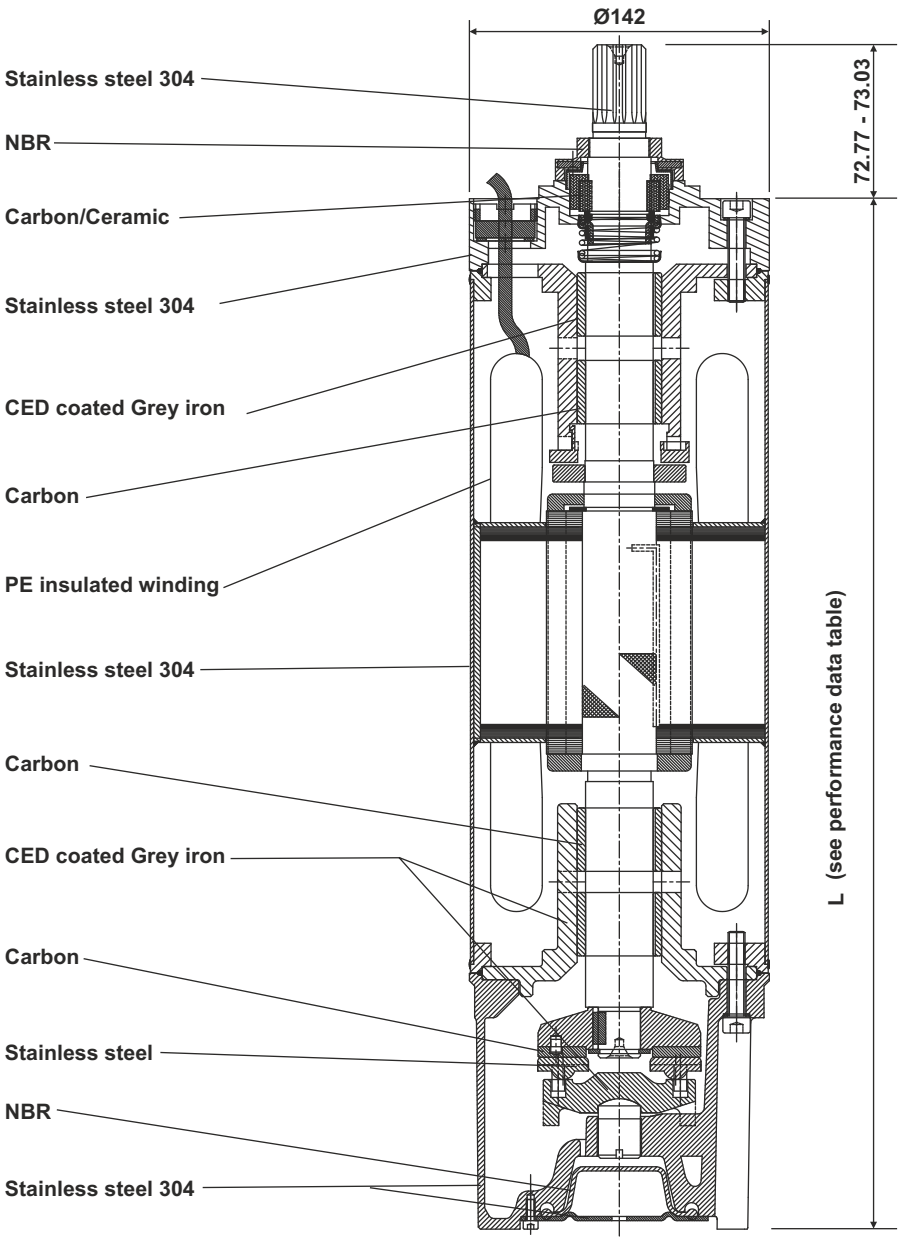
Special features on request

- Mechanical shaft seal Sic/Sic.
- Built in PT 100 temperature sensor.
- Special voltages.
- Double cable for Star - Delta operation.

Cable data

kW	Type of start	Cable x Leads x Size (mm²)	Length [m]	H x B [mm]	
4 - 22	DOL	1 x 3 x 6	3,5	7,9 x 18,7	





Shaft

Spline shaft: 15 teeth, 16/32 pitch, module 1.5875, 30° pressure angle, coupling tolerance 5 as per ANSI B.92.1, confirming with NEMA 6".

VSW6 Water Filled Stainless Steel Submersible Motor 6"

Performance data

60 Hz

Motor type	Pn		Ka [N]	Un [V]	In	Ist/In	n [min⁻¹]	η [%]			COS φ			Tn [Nm]	L [mm]	Gross weight	Gross volume
	kW	HP			[A]			50%	75%	100%	50%	75%	100%			[kg]	[m³]
VSW61552632	4	5,5	15500	230	19,2	5,31	3460	68,9	74,9	76,0	0,61	0,72	0,79	11,04	530	42,8	0,0560
VSW61553632				380	11,3	4,57	3460	70,4	75,9	77,0	0,63	0,73	0,80	11,04			
VSW61554732				460	9,5	4,64	3480	69,4	75,9	77,0	0,63	0,72	0,79	10,98			
VSW61752632	5,5	7,5	15500	230	26,8	5,30	3460	73,9	76,9	78,0	0,61	0,73	0,81	15,19	545	44,3	0,0560
VSW61753632				380	15,3	4,90	3460	74,9	78,4	79,0	0,61	0,74	0,81	15,19			
VSW61754732				460	12,8	4,72	3480	73,9	76,9	78,0	0,62	0,74	0,80	15,10			
VSW62102632	7,5	10	15500	230	33,4	5,41	3460	74,9	77,9	79,0	0,61	0,74	0,82	20,71	575	48,1	0,0560
VSW62103632				380	20,0	5,31	3460	75,4	79,4	80,0	0,62	0,75	0,82	20,71			
VSW62104732				460	16,9	5,07	3480	73,9	77,9	79,0	0,63	0,75	0,81	20,59			
VSW62122632	9,3	12,5	15500	230	42,8	5,55	3460	74,9	77,9	79,0	0,62	0,74	0,82	25,68	625	53,5	0,0560
VSW62123632				380	24,5	4,90	3460	76,4	79,4	80,0	0,65	0,76	0,83	25,68			
VSW62124732				460	20,7	4,89	3480	75,9	78,9	80,0	0,64	0,75	0,81	25,53			
VSW62152632	11	15	15500	230	47,6	5,61	3460	74,9	78,9	80,0	0,63	0,75	0,83	30,38	665	58,0	0,0560
VSW62153632				380	28,9	5,26	3460	76,4	79,4	80,0	0,66	0,76	0,83	30,38			
VSW62154732				460	23,9	5,27	3480	76,4	79,9	81,0	0,65	0,76	0,82	30,20			
VSW62172632	13	17,5	15500	230	56,8	5,65	3460	75,4	78,9	80,0	0,63	0,74	0,83	35,90	713	62,0	0,0560
VSW62173632				380	33,8	5,36	3460	77,4	80,4	81,0	0,66	0,76	0,83	35,90			
VSW62174732				460	28,3	5,36	3480	76,9	79,9	81,0	0,65	0,76	0,82	35,70			
VSW62202632	15	20	15500	230	62,9	5,65	3460	75,9	80,9	82,0	0,64	0,75	0,84	41,42	743	65,1	0,0560
VSW62203632				380	38,1	5,37	3460	77,4	81,4	82,0	0,66	0,77	0,84	41,42			
VSW62204732				460	32,2	5,38	3480	76,9	80,9	82,0	0,66	0,76	0,82	41,18			
VSW62252632	18,5	25	15500	230	79,8	5,66	3460	76,9	81,9	83,0	0,65	0,76	0,83	51,08	813	73,5	0,0660
VSW62253632				380	45,8	5,70	3460	78,4	82,9	84,0	0,68	0,78	0,84	51,08			
VSW62254732				460	38,3	5,69	3480	77,9	82,9	84,0	0,66	0,77	0,83	50,80			
VSW62302632	22	30	15500	230	91,8	5,61	3460	77,9	80,9	83,8	0,66	0,77	0,84	60,75	873	79,5	0,0660
VSW62303632				380	52,9	6,24	3460	78,9	83,4	84,5	0,69	0,78	0,86	60,75			

Pn: Rated output
Ka: Thrust load
Un: Rated voltage
In: Rated current
Ist/In: Locked rotor current/Rated amperage
n: Rated speed
η: Efficiency
cos φ: Power factor
Tn: Rated torque
L: Motor length

VHW6 Water Filled Heavy Duty Submersible Motor 6"

Features

- 6" Water filled heavy duty submersible motor.
- Easily rewindable (wet wound) induction motor with PE insulated windings.
- Corrosion resistant stainless steel stator jacket and shaft.
- Mechanical shaft seal (Carbon/Ceramic) provided.
- Water lubricated heavy duty radial and axial thrust bearings.
- Counter thrust bearing.
- Motors are pre-filled with clean water + Glycol mixture.
- High efficiency electrical design (lower operating cost).
- Tropicalized design (lower winding temperature).
- 6" NEMA coupling flange.
- Pressure compensation diaphragm.

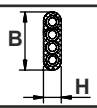
Specifications

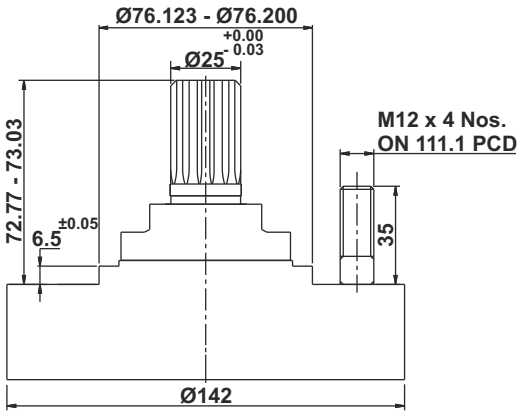
- Ratings: Three phase - 4 to 45 kW, 50 Hz
  4 to 45 kW, 60 Hz
- Supply voltages (Tolerance +10% / -15%):
  50 Hz, 3 phase, 380 V, 400 V, 415 V
  60 Hz, 3 phase, 230 V, 380 V, 460 V
- Degree of protection: IP 68
- Continuous duty
- Ambient temperature: 45°C
- Rotation: Three phase - CCW and CW
- Maximum nos. of starts/hour:
  4 to 22 kW - 20
  26 to 45 kW - 15
- Water pH: 6,5 - 8
- Minimum cooling flow along the motor:
  4 to 15 kW - 15 cm/sec
  18,5 to 45 kW - 30 cm/sec
- Motor protection: Select thermal overload protection with trip time < 10 sec. at 5 x In
- Maximum submerged depth: 250 metres
- Mounting: vertical / horizontal (up to 30 kW).

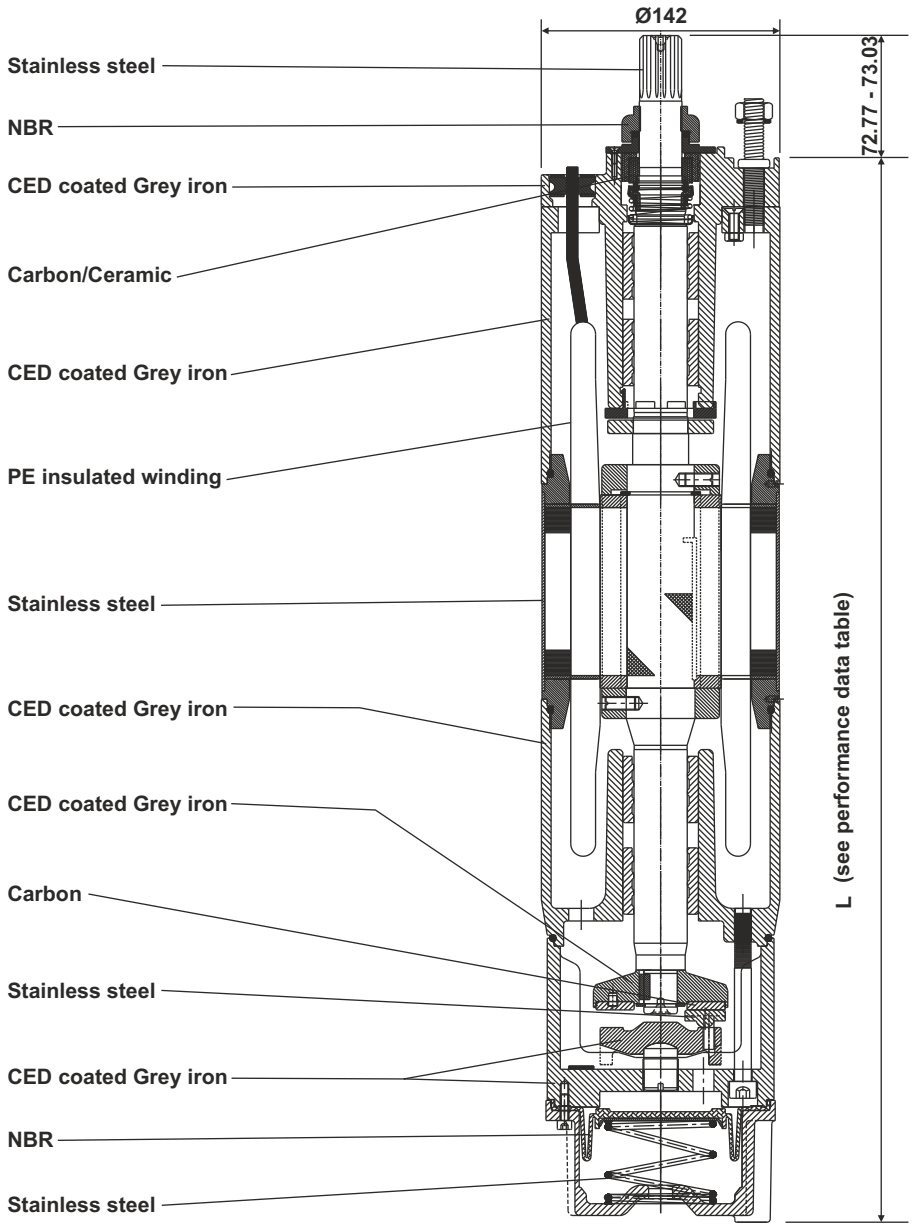
Special features on request

- Mechanical shaft seal Sic/Sic.
- Built-in PT 100 temperature sensor.
- Special voltages.
- Double cable for Star - Delta operation.

Cable data

kW	Type of start	Cable x Leads x Size (mm²)	Length [m]	H x B [mm]	
4 - 45	DOL	1 x 4 x 6	3,5	7,9 x 24,3	





Shaft

Spline shaft: 15 teeth, 16/32 pitch, module 1.5875, 30° pressure angle, coupling tolerance 5 as per ANSI B.92.1, confirming with NEMA 6".

VHW6 Water Filled Heavy Duty Submersible Motor 6"

Performance data

60 Hz

Motor type	Pn		Ka [N]	Un [V]	In	Ist/In	n [min⁻¹]	η [%]			COS φ			Tn [Nm]	L [mm]	Gross weight	Gross volume
	kW	HP			[A]			50%	75%	100%	50%	75%	100%			[kg]	[m³]
VHW61552632	4	5,5	27500	230	18,5	5,30	3480	69,8	75,8	77,0	0,63	0,74	0,81	10,98	663	54,5	0,0560
VHW61553632				380	11,6	4,56	3480	70,8	76,3	77,0	0,64	0,74	0,78	10,98			
VHW61554732				460	9,3	4,63	3500	70,3	76,8	78,0	0,66	0,75	0,80	10,92			
VHW61752632	5,5	7,5	27500	230	25,8	5,30	3480	74,8	77,8	79,0	0,62	0,74	0,82	15,10	678	56,0	0,0560
VHW61753632				380	15,4	4,90	3480	75,8	78,3	79,0	0,64	0,75	0,79	15,10			
VHW61754732				460	12,6	4,72	3500	74,8	77,8	79,0	0,65	0,75	0,82	15,00			
VHW62102632	7,5	10	27500	230	32,6	5,40	3480	75,8	78,8	80,0	0,64	0,76	0,83	20,59	708	60,2	0,0560
VHW62103632				380	20,5	5,30	3480	76,3	79,3	80,0	0,66	0,77	0,80	20,59			
VHW62104732				460	16,5	5,06	3500	75,8	78,8	80,0	0,66	0,76	0,82	20,47			
VHW62122632	9,3	12,5	27500	230	41,8	5,55	3480	75,8	79,8	80,0	0,64	0,76	0,84	25,53	758	65,5	0,0560
VHW62123632				380	25,4	4,90	3480	76,8	79,8	80,0	0,66	0,77	0,80	25,53			
VHW62124732				460	20,1	4,89	3500	77,3	80,3	81,0	0,66	0,76	0,82	25,39			
VHW62152632	11	15	27500	230	46,7	5,60	3480	77,8	80,3	81,0	0,64	0,77	0,84	30,20	798	69,4	0,0560
VHW62153632				380	29,3	5,25	3480	78,3	80,8	81,0	0,66	0,77	0,81	30,20			
VHW62154732				460	23,3	5,26	3500	77,8	81,3	82,0	0,67	0,77	0,83	30,00			
VHW62172632	13	17,5	27500	230	55,6	5,65	3480	77,3	80,8	82,0	0,65	0,76	0,84	35,69	833	73,6	0,0560
VHW62173632				380	34,2	5,36	3480	78,8	81,3	82,0	0,66	0,77	0,81	35,69			
VHW62174732				460	27,6	5,36	3500	77,8	80,8	82,0	0,67	0,77	0,83	35,49			
VHW62202632	15	20	27500	230	61,4	5,65	3480	78,3	82,0	83,0	0,64	0,76	0,85	41,18	863	76,0	0,0560
VHW62203632				380	39,0	5,37	3480	78,8	82,0	82,0	0,67	0,78	0,82	41,18			
VHW62204732				460	31,1	5,38	3500	78,3	81,8	83,0	0,67	0,77	0,84	40,95			
VHW62252632	18,5	25	27500	230	79,4	5,66	3480	78,1	82,9	84,0	0,64	0,77	0,85	50,79	933	84,4	0,0660
VHW62253632				380	47,8	5,70	3480	78,7	83,1	83,0	0,67	0,78	0,82	50,79			
VHW62254732				460	37,8	5,69	3500	78,3	82,9	84,0	0,68	0,78	0,84	50,50			
VHW62302632	22	30	27500	230	92,7	5,60	3480	79,1	83,9	85,0	0,65	0,76	0,85	60,40	993	90,5	0,0660
VHW62303632				380	55,8	6,23	3480	79,5	84,1	83,0	0,67	0,78	0,83	60,40			
VHW62304732				460	45,0	5,80	3500	78,9	82,9	84,0	0,68	0,78	0,84	60,00			
VHW62352632	26	35	27500	230	104,7	5,70	3480	80,1	83,9	85,0	0,66	0,79	0,86	71,39	1053	99,0	0,0660
VHW62353632				380	65,9	6,22	3480	80,4	84,1	83,0	0,69	0,79	0,83	71,39			
VHW62354732				460	52,6	6,22	3500	79,9	83,9	85,0	0,70	0,80	0,84	70,98			
VHW62402632	30	40	27500	230	125,4	5,75	3480	79,9	83,7	85,0	0,67	0,79	0,86	82,37	1133	112,0	0,1330
VHW62403632				380	74,3	6,18	3480	80,5	83,9	84,0	0,69	0,80	0,84	82,37			
VHW62404732				460	60,0	6,19	3500	80,1	83,9	85,0	0,70	0,80	0,85	81,90			
VHW62502632	37	50	27500	230	150,4	5,75	3480	80,1	83,9	85,0	0,66	0,79	0,86	101,60	1183	124,0	0,1330
VHW62503632				380	91,6	5,61	3480	80,3	84,1	84,0	0,68	0,80	0,84	101,60			
VHW62504732				460	74,0	5,62	3500	79,9	83,7	85,0	0,69	0,79	0,85	101,00			
VHW62602632	45	60	27500	230	177,7	5,77	3480	80,1	83,9	85,0	0,65	0,78	0,86	123,55	1313	135,0	0,1400
VHW62603632				380	107,6	5,63	3480	80,3	84,1	86,0	0,67	0,79	0,86	123,55			
VHW62604732				460	89,9	5,64	3500	79,9	83,7	85,0	0,68	0,78	0,85	122,84			

Pn: Rated output
Ka: Thrust load
Un: Rated voltage
In: Rated current
Ist/In: Locked rotor current/Rated amperage
n: Rated speed
η: Efficiency
cos φ: Power factor
Tn: Rated torque
L: Motor length

Features

- 6" Water filled heavy duty stainless steel submersible motor.
- Easily rewindable (wet wound) induction motor with PE insulated windings.
- Complete stainless steel AISI 304 construction.
- Mechanical shaft seal (Carbon/Ceramic) provided.
- Water lubricated heavy duty radial and axial thrust bearings.
- Counter thrust bearing.
- Motors are pre-filled with clean water + Glycol mixture.
- Shaft extension made of stainless steel AISI 316.
- High efficiency electrical design (lower operating cost).
- Tropicalized design (lower winding temperature).
- 6" NEMA coupling flange.
- Pressure compensation diaphragm.

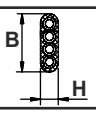
Specifications

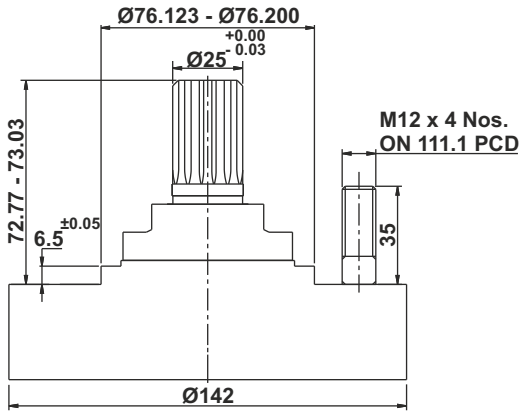
- Ratings: Three phase - 4 to 45 kW, 50 Hz
  4 to 45 kW, 60 Hz
- Supply voltages (Tolerance +10% / -15%):
  50 Hz, 3 phase, 380 V, 400 V, 415 V
  60 Hz, 3 phase, 230 V, 380 V, 460 V
- Degree of protection: IP 68
- Continuous duty
- Ambient temperature: 45°C
- Rotation: Three phase - CCW and CW
- Maximum nos. of starts/hour:
  4 to 22 kW - 20
  26 to 45 kW - 15
- Water pH: 6,5 - 8
- Minimum cooling flow along the motor:
  4 to 15 kW - 15 cm/sec
  18,5 to 45 kW - 30 cm/sec
- Motor protection: Select thermal overload protection with trip time < 10 sec. at 5 x In
- Maximum submerged depth: 250 metres
- Mounting: vertical / horizontal (up to 30 kW).

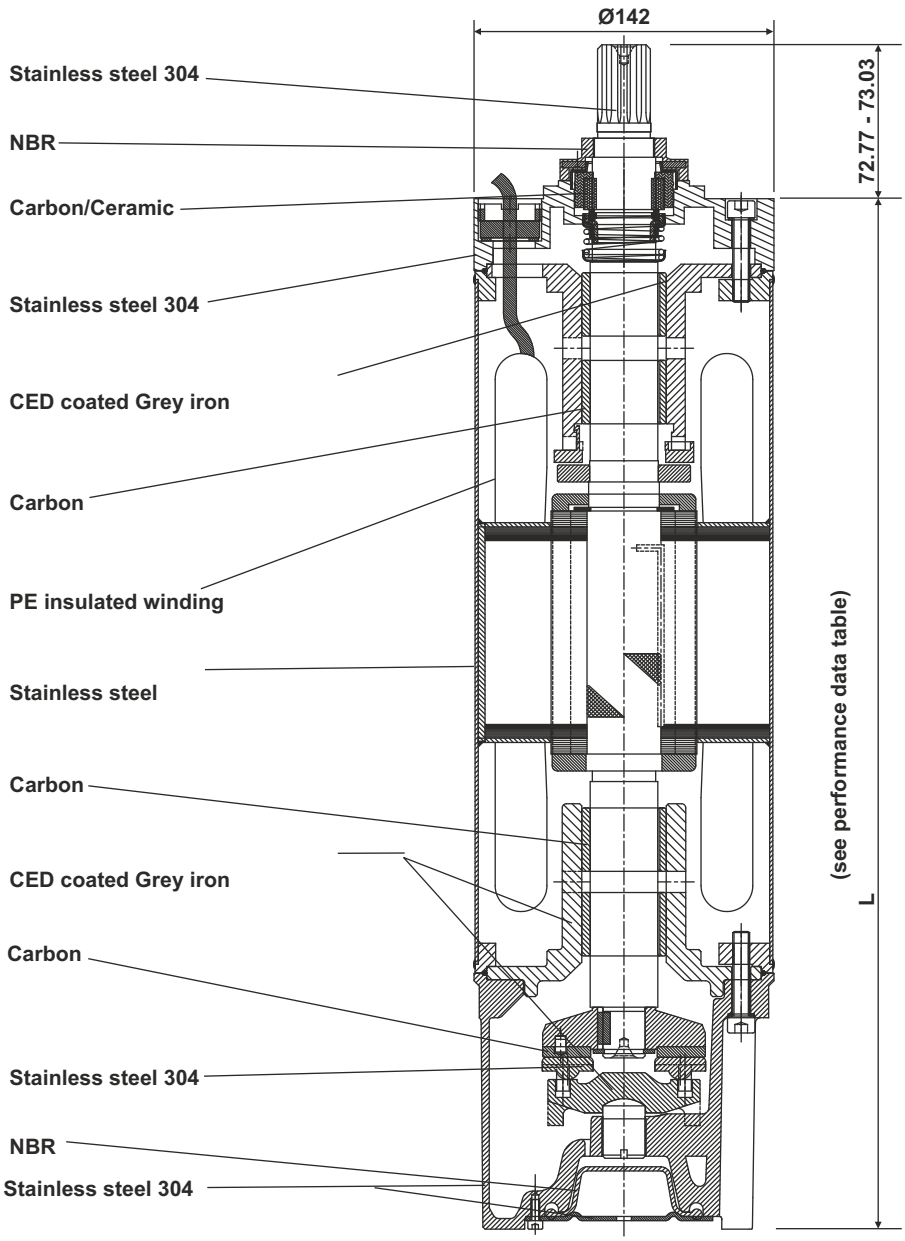
Special features on request

- Mechanical shaft seal Sic/Sic.
- Built in PT 100 temperature sensor.
- Special voltages.
- Double cable for Star - Delta operation.

Cable data

kW	Type of start	Cable x Leads x Size (mm²)	Length [m]	H x B [mm]	
4 - 45	DOL	1 x 4 x 6	3,5	7,9 x 24,3	





Shaft

Spline shaft: 15 teeth, 16/32 pitch, module 1.5875, 30° pressure angle, coupling tolerance 5 as per ANSI B.92.1, confirming with NEMA 6".

VXW6 Water Filled Heavy Duty Stainless Steel Submersible Motor 6"

Performance data

60 Hz

Motor type	Pn		Ka [N]	Un [V]	In	Ist/In	n [min⁻¹]	η [%]			COS φ			Tn [Nm]	L [mm]	Gross weight	Gross volume
	kW	HP			[A]			50%	75%	100%	50%	75%	100%			[kg]	[m³]
VXW61552632	4	5,5	27500	230	18,5	5,30	3480	69,8	75,8	77,0	0,63	0,74	0,81	10,98	620	53,3	0,0560
VXW61553632				380	11,6	4,56	3480	70,8	76,3	77,0	0,64	0,74	0,78	10,98			
VXW61554732				460	9,3	4,63	3500	70,3	76,8	78,0	0,66	0,75	0,80	10,92			
VXW61752632	5,5	7,5	27500	230	25,8	5,30	3480	74,8	77,8	79,0	0,62	0,74	0,82	15,10	635	54,8	0,0560
VXW61753632				380	15,4	4,90	3480	75,8	78,3	79,0	0,64	0,75	0,79	15,10			
VXW61754732				460	12,6	4,72	3500	74,8	77,8	79,0	0,65	0,75	0,82	15,00			
VXW62102632	7,5	10	27500	230	32,6	5,40	3480	75,8	78,8	80,0	0,64	0,76	0,83	20,59	665	58,5	0,0560
VXW62103632				380	20,5	5,30	3480	76,3	79,3	80,0	0,66	0,77	0,80	20,59			
VXW62104732				460	16,5	5,06	3500	75,8	78,8	80,0	0,66	0,76	0,82	20,47			
VXW62122632	9,3	12,5	27500	230	41,8	5,55	3480	75,8	79,8	80,0	0,64	0,76	0,84	25,53	715	64,5	0,0560
VXW62123632				380	25,4	4,90	3480	76,8	79,8	80,0	0,66	0,77	0,80	25,53			
VXW62124732				460	20,1	4,89	3500	77,3	80,3	81,0	0,66	0,76	0,82	25,39			
VXW62152632	11	15	27500	230	46,7	5,60	3480	77,8	80,3	81,0	0,64	0,77	0,84	30,20	755	67,4	0,0560
VXW62153632				380	29,3	5,25	3480	78,3	80,8	81,0	0,66	0,77	0,81	30,20			
VXW62154732				460	23,3	5,26	3500	77,8	81,3	82,0	0,67	0,77	0,83	30,00			
VXW62172632	13	17,5	27500	230	55,6	5,65	3480	77,3	80,8	82,0	0,65	0,76	0,84	35,69	790	73,2	0,0560
VXW62173632				380	34,2	5,36	3480	78,8	81,3	82,0	0,66	0,77	0,81	35,69			
VXW62174732				460	27,6	5,36	3500	77,8	80,8	82,0	0,67	0,77	0,83	35,49			
VXW62202632	15	20	27500	230	61,4	5,65	3480	78,3	82,0	83,0	0,64	0,76	0,85	41,18	820	73,7	0,0560
VXW62203632				380	39,0	5,37	3480	78,8	82,0	82,0	0,67	0,78	0,82	41,18			
VXW62204732				460	31,1	5,38	3500	78,3	81,8	83,0	0,67	0,77	0,84	40,95			
VXW62252632	18,5	25	27500	230	79,4	5,66	3480	78,1	82,9	84,0	0,64	0,77	0,85	50,79	890	84,0	0,0660
VXW62253632				380	47,8	5,70	3480	78,7	83,1	83,0	0,67	0,78	0,82	50,79			
VXW62254732				460	37,8	5,69	3500	78,3	82,9	84,0	0,68	0,78	0,84	50,50			
VXW62302632	22	30	27500	230	92,7	5,60	3480	79,1	83,9	85,0	0,65	0,76	0,85	60,40	950	88,0	0,0660
VXW62303632				380	55,8	6,23	3480	79,5	84,1	83,0	0,67	0,78	0,83	60,40			
VXW62304732				460	45,0	5,80	3500	78,9	82,9	84,0	0,68	0,78	0,84	60,00			
VXW62352632	26	35	27500	230	104,7	5,70	3480	80,1	83,9	85,0	0,66	0,79	0,86	71,39	1010	93,4	0,0660
VXW62353632				380	65,9	6,22	3480	80,4	84,1	83,0	0,69	0,79	0,83	71,39			
VXW62354732				460	52,6	6,22	3500	79,9	83,9	85,0	0,70	0,80	0,84	70,98			
VXW62402632	30	40	27500	230	125,4	5,75	3480	79,9	83,7	85,0	0,67	0,79	0,86	82,37	1090	111,7	0,1330
VXW62403632				380	74,3	6,18	3480	80,5	83,9	84,0	0,69	0,80	0,84	82,37			
VXW62404732				460	60,0	6,19	3500	80,1	83,9	85,0	0,70	0,80	0,85	81,90			
VXW62502632	37	50	27500	230	150,4	5,75	3480	80,1	83,9	85,0	0,66	0,79	0,86	101,60	1140	120,0	0,1330
VXW62503632				380	91,6	5,61	3480	80,3	84,1	84,0	0,68	0,80	0,84	101,60			
VXW62504732				460	74,0	5,62	3500	79,9	83,7	85,0	0,69	0,79	0,85	101,00			
VXW62602632	45	60	27500	230	177,7	5,77	3480	80,1	83,9	85,0	0,65	0,78	0,86	123,55	1270	131,0	0,1400
VXW62603632				380	107,6	5,63	3480	80,3	84,1	86,0	0,67	0,79	0,86	123,55			
VXW62604732				460	89,9	5,64	3500	79,9	83,7	85,0	0,68	0,78	0,85	122,84			

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