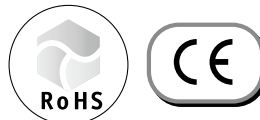


Features

- ① About 30% pressure level increase compared with the standard type
- ② The motor and the pump are integrated for smaller sizes and lighter weights
- ③ With the self-priming function, the unit can be easily installed in confined areas
- ④ EU RoHS Directive (Restriction of Use of Six Hazardous Substances) compliant
- ⑤ Meets the EU Directive for CE marking
- ⑥ Enhanced protection against mist and other environmental elements



Structure

Mechanical seal structure. The motor section and pump section are integrated and cast iron is used in the pump's main unit.

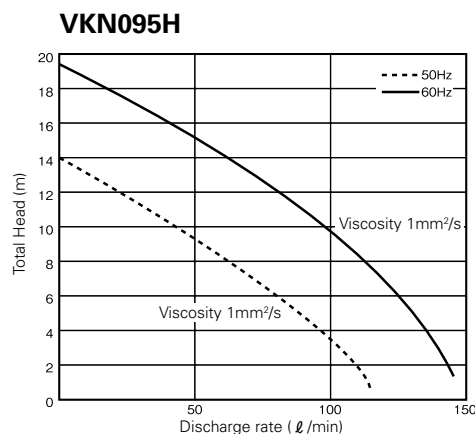
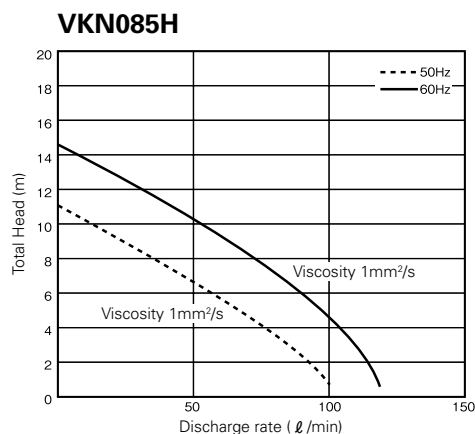
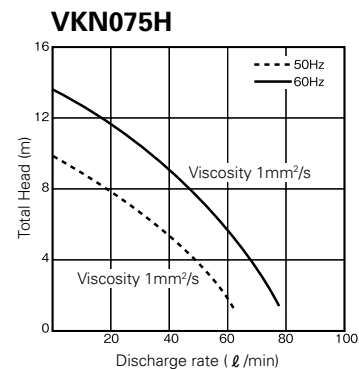
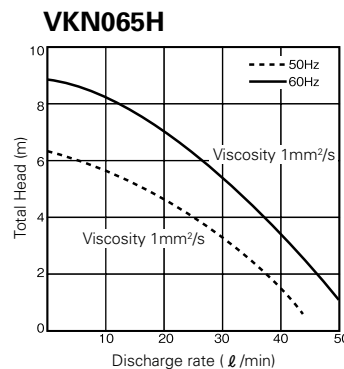
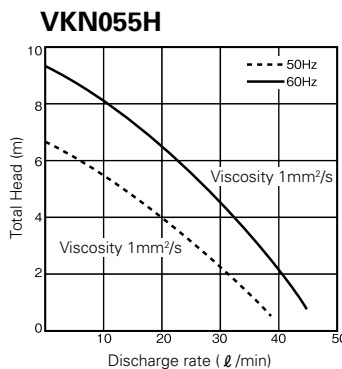
How to read the model type

VKN 07 5 H

① ② ③ ④

- ① Model
- ② Output code(ex. 06: 100W)
- ③ Series
- ④ Number of phases and characteristics (H: 3 phases; pressure type)

Selection chart (performance drawings)



Specifications

Specifications	Type	VKN055H		VKN065H		VKN075H		VKN085H		VKN095H	
Nominal output	(W)	60		100		180		250		400	
Rated voltage	(V)	200	200/220	200	200/220	200	200/220	200	200/220	200	200/220
Frequency	(Hz)	50	60	50	60	50	60	50	60	50	60
Rated current	(A)	0.42	0.55/0.52	0.55	0.6/0.6	0.9	1.2/1.1	1.2	1.5/1.5	2.4	2.5/2.4
Discharge rate	(ℓ/min)	10	10	10	10	20	20	20	20	20	20
Total head	(m)	4.5	7	5	7.5	7	11	8	12	12	17
Max. length of suction pipe	(m)	0.7		0.7		0.7		0.6		0.6	
Max. viscosity allowed	(mm²/s)	37.5		37.5		37.5		37.5		37.5	
Inlet/outlet	(Rp)	3/8		3/8		1/2		3/4		1	
Paint color		Munsell N1									
Standard		IEC60034-1 CE approved									
Degree of protection		IP54									

Note: The discharge rate and total head values were obtained in tests with a liquid viscosity of 1mm²/s (same as tap water at normal temperature). Note that the pumps cannot be used with water.

Assembly Drawing

Fig.1

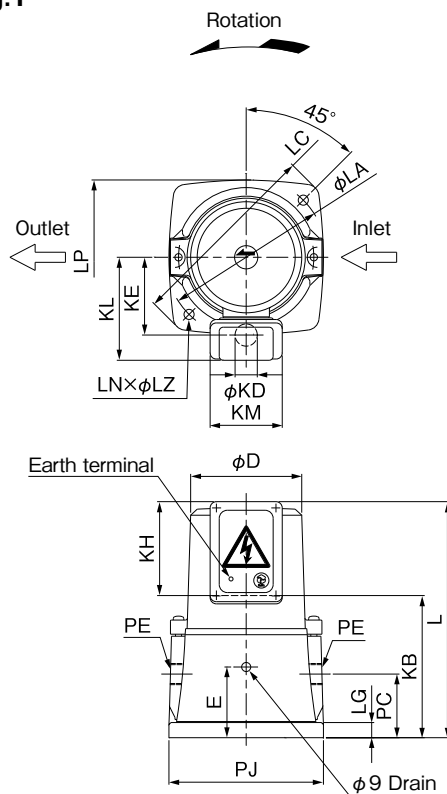
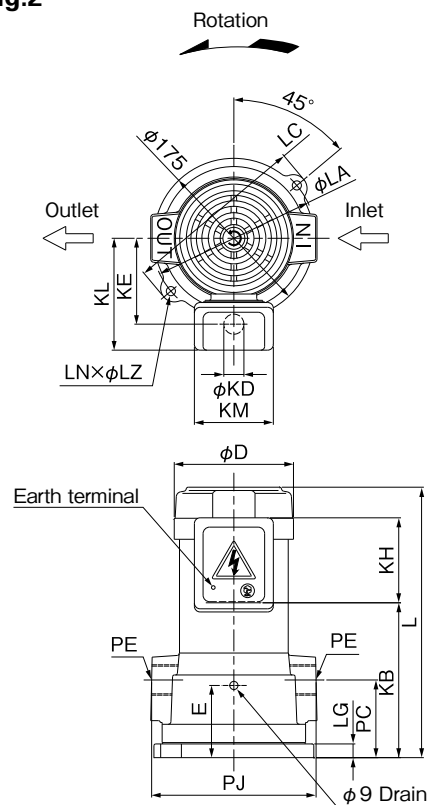


Fig.2

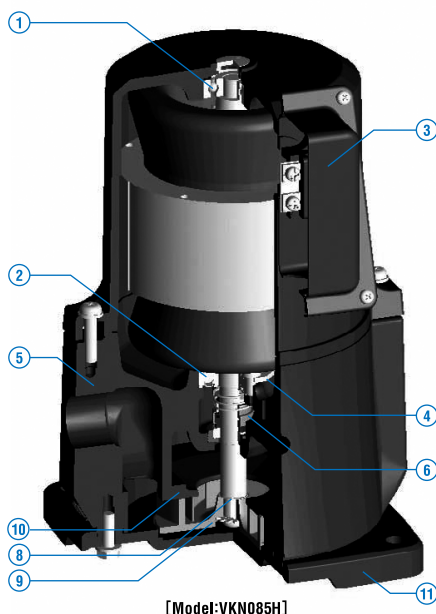


Dimensions

(Unit : mm)

Type	Fig.	D	E	KB	KD	KE	KH	KL	KM	L	LA	LC	LG	LN	LP	LZ	PC	PE	PJ	Approx. mass (kg)
VKN055H	1	92	57	119	22	67	93	93	73	212	132	169	14	2	131	7	56	Rp $\frac{3}{8}$	132	6.5
VKN065H	1	92	57	119	22	67	93	93	73	212	132	169	14	2	131	7	56	Rp $\frac{3}{8}$	132	7.5
VKN075H	1	111	70	143	22	78	93	104	73	236	160	194	15	2	153	10	63	Rp $\frac{1}{2}$	150	11.0
VKN085H	1	122	73	157	22	81	93	107	73	250	160	194	15	2	153	10	71	Rp $\frac{3}{4}$	160	12.5
VKN095H	2	131	81	169	22	94	93	122	87	296	180	200	15	2	—	10	85	Rp1	180	14.0

Sectional drawing



No.	Parts Name	Materials
1	Deep groove ball bearing	
2	Deep groove ball bearing	
3	Terminal box	SPCC
4	End cover	SPHC
5	Casing	FC150
6	Mechanical seal	Carbon/ceramic
8	Adjusting washer	BsP3-1 / 2H
9	Impeller	Special resin or CAC407
10	Eddy box	FC150
11	Bottom plate	FC150

Note: Structure and other details are subject to change without notice.