



PRODUCT DATA SHEET

KAMALBLOWER SOLUTIONS LLC

250 - 2000 GPM

Model 4514T 20 - 375 Feet TDH

STANDARD SPECIFICATION

Discharge - 4 inch discharge

Suction - 5 inch suction

Impeller - Enclosed, 2 vane: handles 3" solids

Volute - Right and left hand tangential or centerline discharge, eight positions

Mechanical Seal - Single type 2 tungsten silicon mechanical seal: Cycloseal® design, Run-Dry™ available

Materials of Construction

- Cast iron casing, ductile iron impeller
- Other materials available

MOUNTING OPTIONS

• **Frame Mount**

KamalBlower F16
KamalBlower F18
KamalBlower
F18DB

• **Vertical Frame Mount**

KamalBlower VF16
KamalBlower VF18

• **Vertical Coupled**

KamalBlower
VC16
KamalBlower
VC18

• **Engine Bracket**

KamalBlower EM18 (SAE 1, 2, 3)
KamalBlower EM18DB (SAE 1, 2, 3)

• **Oil Filled Bearing Frame**

– Available

• **Redi-Prime® Self Priming System**

– Available



FEATURES & BENEFITS

• **Cornell's Tradition of Excellence:**

• **Highest quality products** •

Experience

- Over 50 years in the centrifugal pump business

• **Optimum Hydraulics**

- In house engineering staff and test lab facilities

• **Strong Local Dealer Support**

- Our agricultural products are sold only through authorized dealerships
- Dealerships provide full service to customers from sales to replacement parts
- Dealers maintain and improve their knowledge at educational activities like KamalBlower's "Pump School"

• **Exceptional Design:**

• **Efficiency**

- Effectively converts energy into fluid flow and pressure

• **Long Product Life**

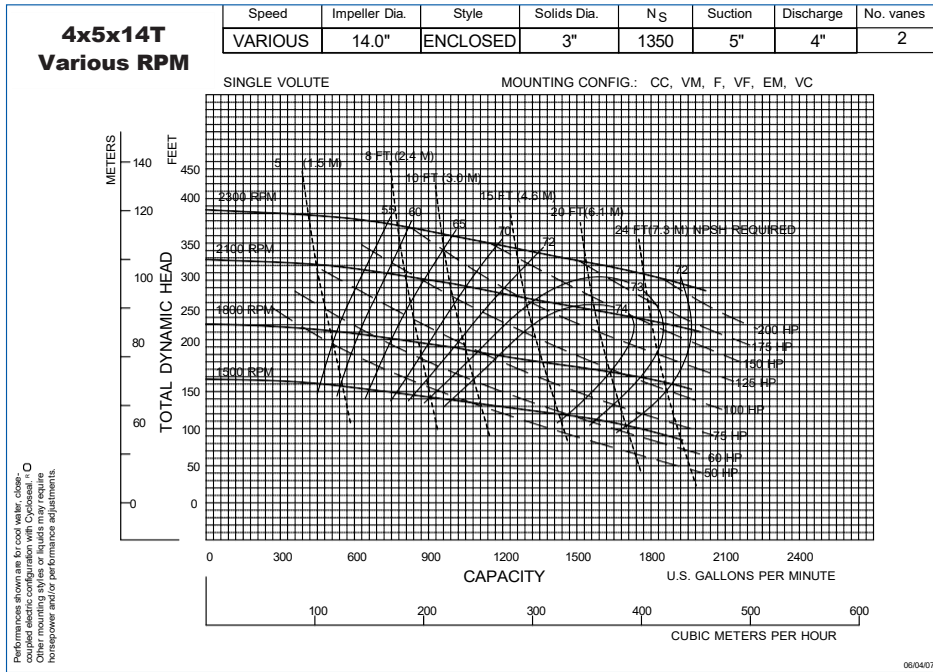
- Thick walled castings
- Heavy duty shafts
- 20,000 hour bearings - minimum
- Replaceable wear rings and shaft sleeves

AVAILABILITY

• **Specialty Pump**

– KamalBlower Pump Company will design and manufacture a variation of this pump specifically designed for your application

PERFORMANCE CURVES



Note:
Curves also
available in
1800 and
1200 RPM

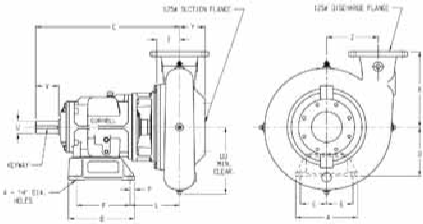


Figure 1

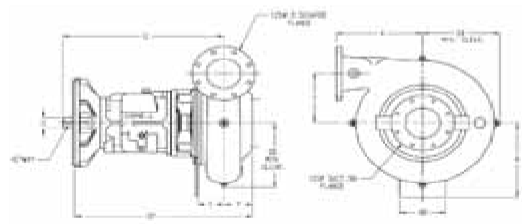


Figure 4

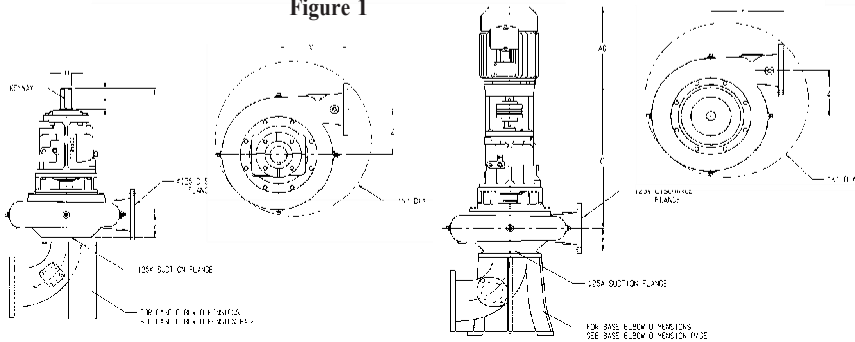


Figure 2

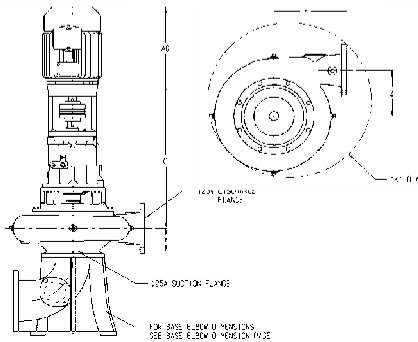
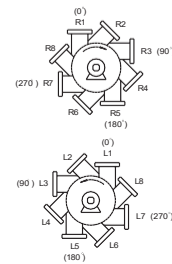
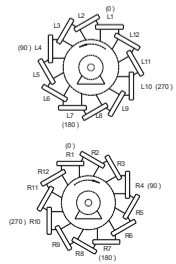


Figure 3



All configurations



F18, VF18, VC18 and
Engine Mount only

PUMP DIMENSIONS

MOUNT	Fig.	BD	A	AR	B	C	CP	D	DA	DD	E	F	H	K	L	LP	P	R	T	U	V	X	Y	Z	KEYWAY
F16	1	-	12	-	12.88	26.5	-	9.75	-	11.31	5.12	10.38	0.81	-	8.62	-	0.88	-	3.94	2	4.5	11	4.75	9.25	.50 X .25
F18	1	-	12	-	12.88	27.5	-	10.5	-	11.31	5.12	10.38	0.81	-	9.12	-	0.88	-	3.94	2.5	4.5	11	4.75	9.25	.62 X .31
VF16	2	-	-	-	-	27.5	-	-	-	-	-	-	-	29	-	-	-	-	-	2.5	4.5	11	4.75	9.25	.50 X .25
VF18	2	-	-	-	-	27.5	-	-	-	-	-	-	-	29	-	-	-	-	-	2.5	4.5	11	4.75	9.25	.62 X .31
VC16	3	10	-	-	-	29.5	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	11	4.75	9.25	.50 X .25
VC16	3	16.5	-	-	-	31.25	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	11	4.75	9.25	.50 X .25
VC18	3	16.5	-	-	-	32.25	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	11	4.75	9.25	.62 X .31
EM18	4	-	-	8	-	27.5	30.25	-	11.31	11.25	-	-	-	-	-	-	-	14.42	3.94	2.5	-	11	4.75	9.25	.62 X .31

VC MOTOR DIMENSIONS

NEMA FRAME	182	184	213	215	254	256	284	286	324	326	364	365	404	405	444	445	505
AG	13.16	14.16	18.25	19.75	22.31	24.06	24.5	26	27.44	28.94	26	26	28.81	28.81	33	33	35.25

CERTIFIED TO ISO 9001:2000