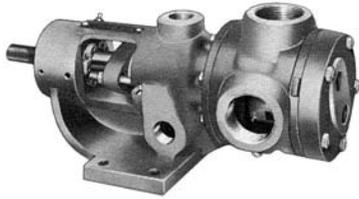


Section	142
Page	142.2
Issue	C

# VIKING® HEAVY DUTY PUMPS

## SERIES 225 AND 4225

### UNMOUNTED PUMPS



SERIES 225 and 4225 Pumps  
"H" and "HL" Sizes  
Shown with jacketed head plate

SERIES 225 and 4225 Pumps  
"LQ," "LL" and "LS" Sizes  
Shown with jacketed head plate



Dimensions for Unmounted Pumps—  
See Page 142.9.

Performance Data for Unmounted Pumps—  
See Pages 142.13 through 142.32 .



SERIES 225 and 4225 Pumps  
"K," "KK" and "L" Sizes  
Shown with jacketed head plate



SERIES 225 and 4225 Pumps  
"Q" and "M" Sizes  
Shown with jacketed relief valve

### CONSTRUCTION — SERIES 225 AND ① 4225 ("H" THROUGH "M" SIZES)

Pump Construction	Casing	Head	Bracket	Rotor	Idler	Rotor Shaft And Idler Pin	Shaft Sealing		Bushings			
							Packed	Mech. Seal	Packed		Mechanical Seal	
									Idler	Bracket	Idler	Bracket
Standard Construction	Iron	Iron	Iron	⑤ Iron	Iron	Steel	Standard	PTFE Seal	Bronze	Bronze	Carbon Graphite	Carbon Graphite
Steel Fitted	Iron	Iron	Iron	Steel	② Iron	Steel	Standard	PTFE Seal	Bronze	Bronze	Carbon Graphite	Carbon Graphite

NOTE: Relief valve cannot be used on pump with jacketed head plate or jacketed head.

### SPECIFICATIONS — SERIES 225 AND ① 4225 UNMOUNTED PUMPS

Model Number	Port Size	Nominal Pump Rating	Motor HP Required At Rated Speed Pumping 100 SSU Liquid		Maximum Hydrostatic Pressure	Steel Fitted Construction Recommended Above This Viscosity	⑤ Maximum Recommended Discharge Pressure When Handling 100 SSU Liquid At Nominal Rated Speeds	Maximum Temperature / Pressure of Fluids In Jackets				Approximate Shipping Weight With Jacketed Head		
			50 PSI (3 BAR)	100 PSI (7 BAR)				PSIG (BAR)	SSU (cSt)	Steam (Sat.)			Heat Transfer Oil	
Packed	① ③ Mech. Seal	Inches	GPM (m³/hr)	RPM			PSIG	Temp. °F. (°C)	Pressure PSIG (BAR)	Temp. °F. (°C)	Pressure PSIG (BAR)	Pounds (KG)		
H225	H4225	1½	15 (3)	1800	1½	2	400 (28)	25,000 (5,500)	200	365 (185)	150 (10)	450 (232)	150 (10)	42 (19)
HL225	HL4225	1½	30 (7)	1800	2	3	400 (28)	7,500 (1,650)	200	365 (185)	150 (10)	450 (232)	150 (10)	45 (20)
K225	K4225	2	60 (14)	640	3	7½	400 (28)	25,000 (5,500)	200	365 (185)	150 (10)	450 (232)	150 (10)	120 (54)
KK225	KK4225	2	80 (18)	640	5	7½	400 (28)	25,000 (5,500)	200	365 (185)	150 (10)	450 (232)	150 (10)	125 (57)
L225	L4225	2	135 (31)	640	7½	15	400 (28)	25,000 (5,500)	200	365 (185)	150 (10)	450 (232)	150 (10)	175 (79)
LQ225	LQ4225	④ 2½	135 (31)	640	7½	15	400 (28)	25,000 (5,500)	200	365 (185)	150 (10)	450 (232)	150 (10)	190 (86)
LL225	LL4225	④ 3	140 (32)	520	7½	15	400 (28)	2,500 (550)	200	365 (185)	150 (10)	450 (232)	150 (10)	200 (91)
LS225	LS4225	④ 3	200 (45)	640	15	20	400 (28)	75,000 (16,500)	150	365 (185)	150 (10)	450 (232)	150 (10)	210 (95)
Q225	Q4225	④ 4	300 (68)	520	20	30	400 (28)	7,500 (1,650)	150	365 (185)	150 (10)	450 (232)	150 (10)	480 (218)
M225	M4225	④ 4	420 (95)	420	20	40	400 (28)	25,000 (5,500)	150	365 (185)	150 (10)	450 (232)	150 (10)	640 (291)

Note: Maximum recommended temperature for cataloged pump is 450°F. For higher temperatures consult factory.

① PTFE fitted mechanical seal used in Series 4225 pumps.

② "Q" size has steel idler.

③ For mechanical seal pumps on applications with viscosities greater than 25,000 SSU (5,500 cSt) anytime during operating cycle, check with factory.

④ Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion

flanges or flanged fittings. All others tapped for standard pipe.

⑤ "KK" and "LS" sizes have Ductile Iron rotor.

⑥ For maximum recommended discharge pressures when handling other viscosities and/or at other speeds, see performance curves. If suction pressure exceeds 50 PSIG (3 BAR), consult factory.

Metric conversions are based on US measurements and rounded to the nearest whole number.