

# Petropompsad



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APPROVED

## FIRE PUMPS



[www.petropompsad.com](http://www.petropompsad.com)

General Pumps SL., was established more than 25 years ago in Valencia, Spain.

We are a major manufacturer in Spain of a wide variety of water pumps for various applications. We have two factories in Spain with the total space of more than 2600 Sq. M.

Today we have one of the most comprehensive ranges of pumps for Fire, HVAC, Water Treatment and Plumbing Industry. The product line ranges from small domestic pumps to large Industrial application pumps. The pumps can be offered in various Metallurgies such as Cast Iron, Stainless Steel, Bronze, etc.

We have our product distribution channels in North and South America, Europe, Middle East and Far East. More than 75% of our sales revenue is generated through exports across the world.

We have a comprehensive range of Fire Pumps which are UL Listed and FM Approved.

The Quality Management System at our manufacturing facility is certified to the latest International Standard of - ISO 9001:2015

We believe in providing our customers with a complete solution for all their Fire Pumping needs. Our Engineers can assist you in making the right choice of product for your Fire Pumping Application.



# Horizontal Split Case Fire Pumps



## Introduction

General Pumps offers FGHC series state-of-the-art fire pumps with diesel engine or electric motor driven, horizontal split case pump.

These pumps are typically used in fire-fighting applications for supplying water to fire hose reels, fire hydrants or sprinkler systems.

Pumps have a discharge range from 450 to 2500 USgpm and the head range from 4.2 to 16 bar.

These fire pumps meet or exceed the requirements of NFPA20.

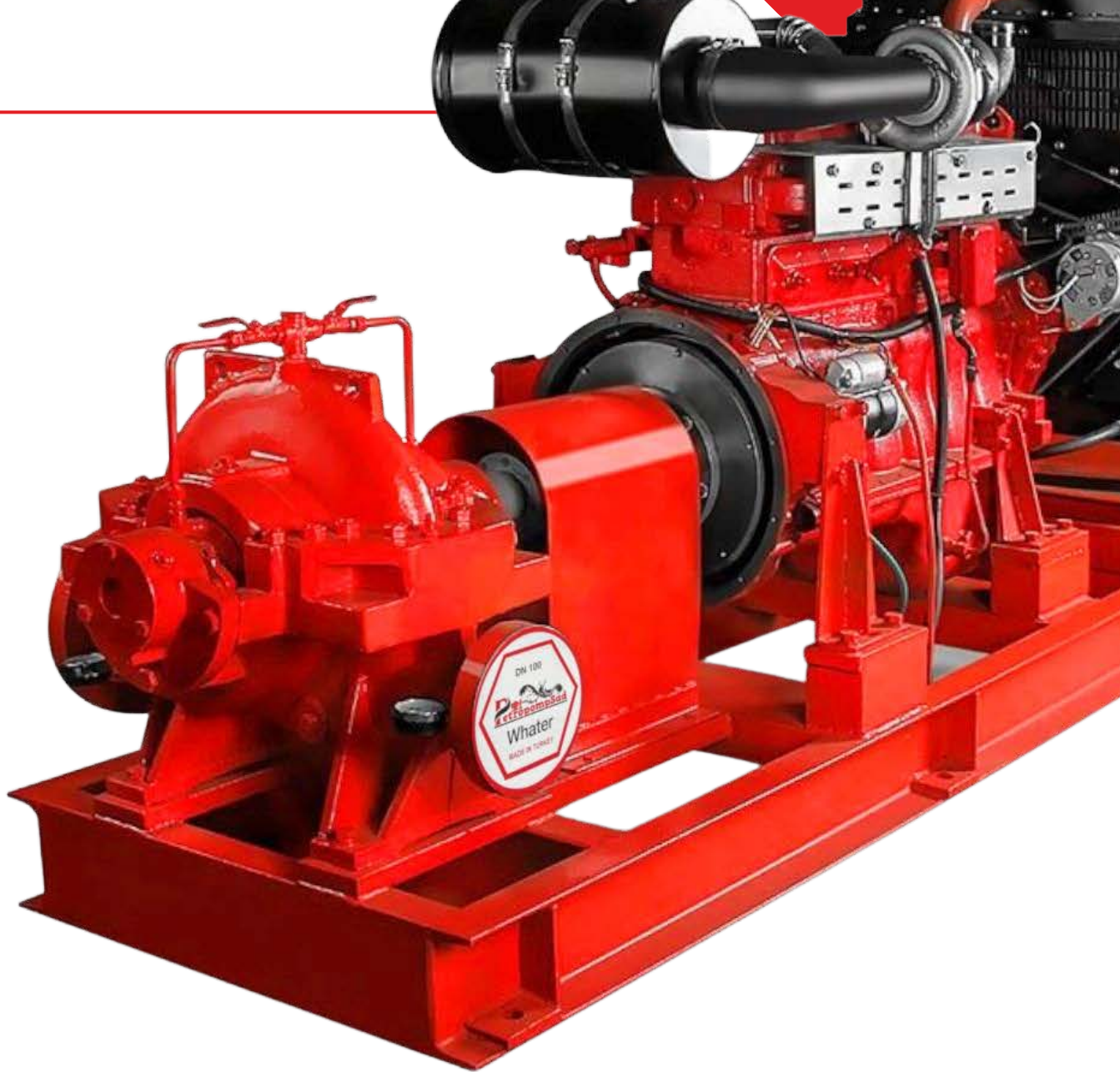
Installations of these pumps would ensure the safety of human life, buildings, and expensive equipments and plants. FGHC fire pumpset shall be used only where a positive suction is provided as specified in NFPA20.

These fire pumps typically consist of the following equipments:

- Horizontal Split Case pump.
- Electric motor or Diesel Engine
- Cooling system for Diesel Engine
- Fuel system for Diesel Engine
- Battery for Diesel Engine electric start
- Exhaust system for Diesel Engine
- Diesel Engine / Electric Motor Fire pump controller
- Suction and Discharge pressure gauges
- Air relief valve
- Casing Relief Valve for Motor Fire Pump
- Base frame

All above equipments except fuel supply tank and fire pump controller are mounted on a common base frame.

General Pumps can also supply Packaged fire pumping system with all required accessories ready for site installation.



## Applications

The FGHC fire pumps are used in fire-fighting applications for supplying water to fire hose reels, fire hydrants or sprinkler systems in areas which are prone to the hazards of fire.

The typical applications are as follow:

- Commercial complexes and high rise buildings
- Petrochemical industries and Gas plants
- Oil and Gas on-shore & off-shore platforms
- Oil terminals
- Airports and ports
- Jetties
- Marine applications
- Power stations and transformer stations
- Chemical industries
- Manufacturing plants
- Fire-work industries
- Warehouses/godowns.

## Features & benefits

FGHC fire pumps offers all features & benefits as mentioned in our GHC standard pump series data booklet. Following are the additional features & benefits offered by these pumps :

- State-of-the-art design fire pumping system.
- UL listed/FM approved/NFPA-20 design
- Diesel engine as well as electric motor driven pump
- Rugged construction
- Liberal water passages
- Automatic air relief valve
- Efficient operation
- Lower initial cost
- Reduced installation time and cost
- Simplified piping design
- Suitable for space saving installation systems and retrofit applications
- Easy access to all working parts
- Ease of maintenance
- Single source unit responsibility.

## Approved Fire Pump Models with Rating

### RATED CAPACITY- 450 US GPM

Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>DSCP 125-100-250</b>	71-131	4.89-9	75-136	5.1-9.3	2900	5	4	1

### RATED CAPACITY- 500 US GPM

Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>DSCP 125-100-250</b>	71-131	4.89-9	74-135	5.10-9.3	2900	5	4	1
2	<b>DSCP 150-125-315</b>	131-214	9-14.75	131-214	9-14.75	2900	6	5	1

### RATED CAPACITY- 750 US GPM

Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>DSCP 125-100-250</b>	65-130	4.4-8.96	66-132	4.5-9.10	2900	5	4	1
2	<b>DSCP 150-125-315</b>	129-213	8.8-14.68	129-212	8.8-14.61	2900	6	5	1

### RATED CAPACITY- 1000 US GPM

Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>DSCP 200-150-250</b>	80-142	5.51-9.79	-	-	2900	8	6	1
2	<b>DSCP 150-125-315</b>	127-210	8.75-14.4	126-209	8.68-14.4	2900	6	5	1

### RATED CAPACITY- 1250 US GPM

Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>DSCP 200-150-250</b>	78-140	5.37-9.65	-	-	2900	8	6	1
2	<b>DSCP 150-125-315</b>	121-205	8.34-14.13	119-204	8.20-14	2900	6	5	1

## Approved Fire Pump Models with Rating

### RATED CAPACITY- 1500 US GPM

Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>DSCP 200-150-250</b>	75-139	5.17-9.58	-	-	2900	8	6	1
2	<b>DSCP 250-200-400</b>	135-206	9.30-14.2	-	-	2350	10	8	1

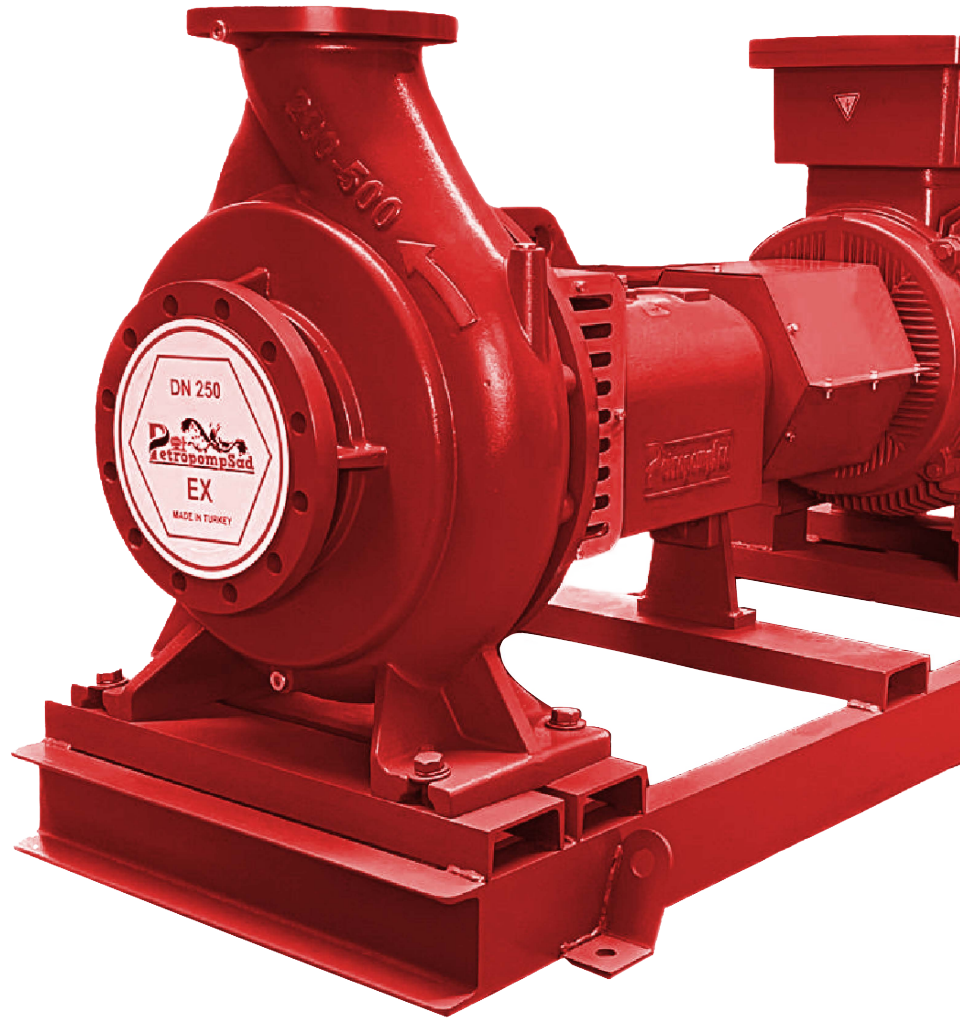
### RATED CAPACITY- 2000 US GPM

Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>DSCP 250-200-250</b>	80-133	5.51-9.17	-	-	2900	10	8	1
2	<b>DSCP 250-200-315</b>	72-133	4.96--.17	-	-	2350	10	8	1
3	<b>DSCP 250-200-400</b>	132-204	9.10-14.06	-	-	2350	10	8	1

### RATED CAPACITY- 2500 US GPM

Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>DSCP 250-200-400</b>	126-200	8.68-13.78	-	-	2350	10	8	1

# End Suction Fire Pumps



## Introduction

General Pumps offers FGBS series state-of-the-art fire pumps with diesel engine or electric motor driven, single-stage End-Suction pump.

These pumps are typically used in fire-fighting applications for supplying water to fire hose reels, fire hydrants or sprinkler systems.

Pumps have a discharge range from 50 to 1000 USgpm and the head range from 3.72 to 9.9 bar.

These fire pumps meet or exceed the requirements of NFPA20.

Installations of these pumps would ensure the safety of human life, buildings, and expensive equipments and plants. FGBS fire pumpset shall be used only where a positive suction is provided as specified in NFPA20.

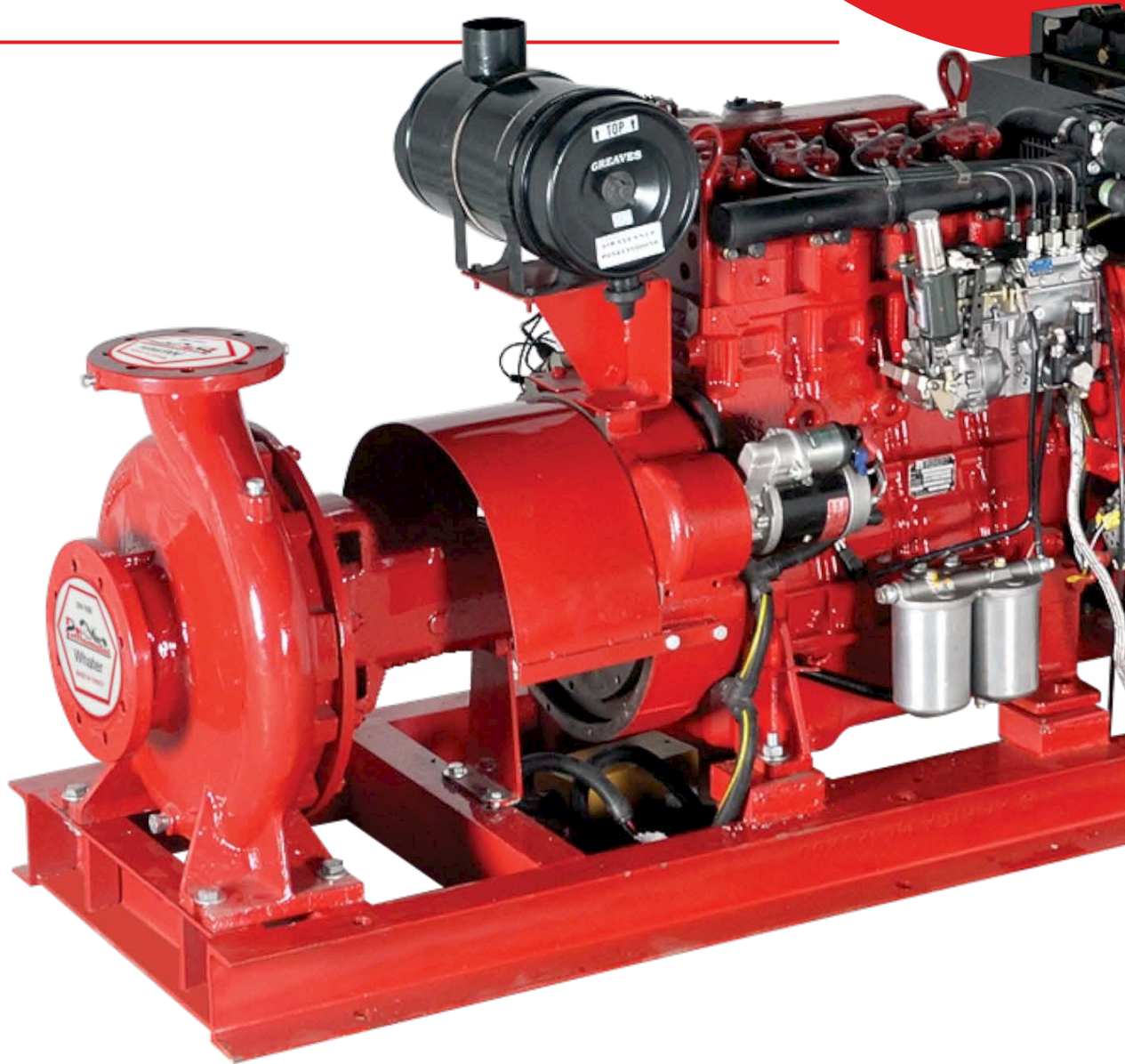
These fire pumps typically consists of the following equipments:

- Single-Stage End-Suction pump
- Electric motor or Diesel Engine
- Cooling system for Diesel Engine
- Fuel system for Diesel Engine
- Battery for Diesel Engine electric start
- Exhaust system for Diesel Engine
- Diesel Engine / Electric Motor Fire pump controller
- Suction and Discharge pressure gauges
- Casing Relief Valve for Motor Fire pump
- Base frame

All above equipments except fuel supply tank and fire pump controller are mounted on a common base frame.

General Pumps can also supply packaged fire pumping system with all required accessories ready for site installation.





## Applications

The FGBS fire pumpsets are used in small capacity, diesel engine or motor driven fire-fighting applications for supplying water to fire hose reels, fire hydrants or sprinkler systems in areas which are prone to the hazards of fire.

The typical applications are as follow:

- Commercial complexes & high rise buildings
- Petrochemical industries and Gas plants
- Airports and ports
- Jetties
- Marine applications
- Power stations and transformer stations
- Chemical industries
- Manufacturing plants
- Fire-work industries
- Warehouses / godowns

## Features & benefits

FGBS fire pumpset offers all the features & benefits as mentioned in our GBS standard pump series data booklet. Following are the additional features & benefits offered by these pumpsets:

- State-of-the-art design fire pumping system.
- NFPA-20 design
- Compact diesel engine driven pump package
- Rugged construction
- More economical than Horizontal Split Case diesel fire pump packages
- Back pull-out design which simplifies inspection and maintenance without disturbing pipe work
- The pump impellers are dynamically balanced to grade 6.3 of ISO 1940-1
- Efficient operation
- Lower initial cost
- Reduced installation time and cost
- Easy access to all working parts
- Ease of maintenance
- Single source unit responsibility.



## Approved Fire Pump Models with Rating

RATED CAPACITY- 50 US GPM									
Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>NCP 65-40-250</b>	96-130	6.61-8.96	-	-	2900	2.5	1.5	1
2	<b>NCP 80-65-250</b>	85-134	5.86-9.23	-	-	2900	3	2.5	1

RATED CAPACITY- 100 US GPM									
Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>NCP 65-40-250</b>	95-127	6.55-8.75	-	-	2900	2.5	1.5	1
2	<b>NCP 80-65-250</b>	84-134	5.79-9.23	-	-	2900	3	2.5	1

RATED CAPACITY- 150 US GPM									
Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>NCP 80-65-250</b>	83-135	5.72-9.30	-	-	2900	3	2.5	1

RATED CAPACITY- 200 US GPM									
Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>NCP 80-65-250</b>	81-135	5.58-9.90	-	-	2900	3	2.5	1

RATED CAPACITY- 250 US GPM									
Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>NCP 80-65-250</b>	78-134	5.37-9.23	-	-	2900	3	2.5	1

RATED CAPACITY- 300 US GPM									
Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				
1	<b>NCP 125-100-250</b>	94-132	6.48-9.10	-	-	2900	5	4	1



## Approved Fire Pump Models with Rating

RATED CAPACITY- 400 US GPM									
Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				

1	<b>NCP 125-100-250</b>	93-131	6.41-9.03	-	-	2900	5	4	1
2	<b>NCP 125-100-315</b>	122-207	8.41-14.27	-	-	2900	5	4	1
3	<b>NCP 150-125-315</b>	111-192	7.65-13.23	-	-	2900	6	5	1

RATED CAPACITY- 450 US GPM									
Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				

1	<b>NCP 125-100-250</b>	92-131	6.34-9.03	-	-	2900	5	4	1
2	<b>NCP 125-100-315</b>	121-207	8.34-14.27	-	-	2900	5	4	1
3	<b>NCP 150-125-315</b>	110-192	7.58-13.23	-	-	2900	6	5	1

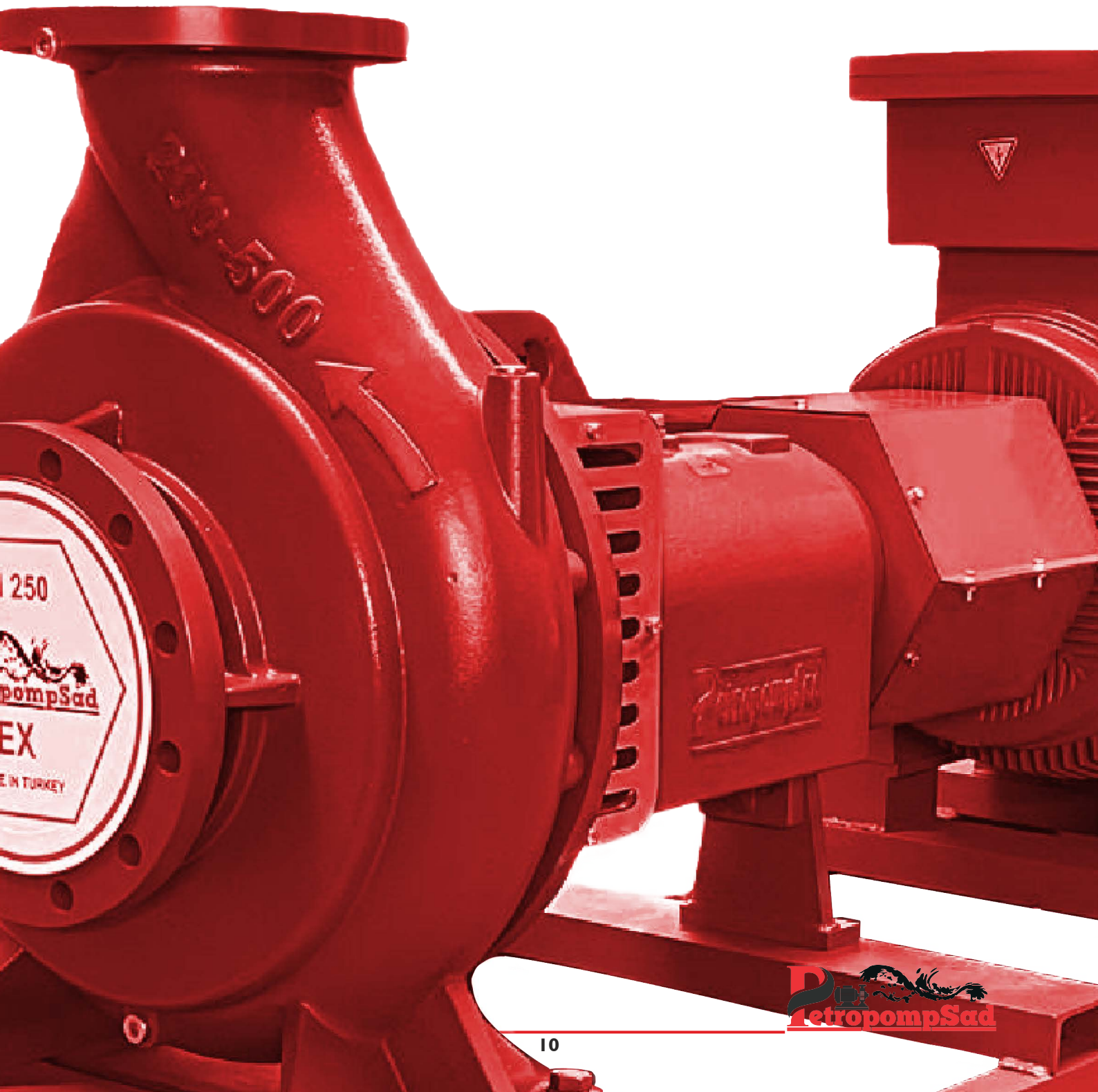
RATED CAPACITY- 500 US GPM									
Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				

1	<b>NCP 125-100-250</b>	91-130	6.27-8.96	-	-	2900	5	4	1
2	<b>NCP 125-100-315</b>	120-207	8.27-14.27	-	-	2900	5	4	1
3	<b>NCP 150-125-315</b>	110-192	7.58-13.23	-	-	2900	6	5	1

RATED CAPACITY- 750 US GPM									
Sr. No.	Pump Model	UL Listed Pressure		FM Approved Pressure		Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
		(psi)	(bar)	(psi)	(bar)				

1	<b>NCP 125-100-250</b>	86-125	5.92-8.61	-	-	2900	5	4	1
2	<b>NCP 125-100-315</b>	111-203	7.65-13.99	-	-	2900	5	4	1
3	<b>NCP 150-125-315</b>	109-190	7.51-13.1	-	-	2900	6	5	1

# **RetropompSad**



## Horizontal Split Case Quick Selection guide

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Jockey Flow in USgpm	Jockey Pump Model	Electric Motor HP @ 2900 RPM	Diesel Engine HP @ 3000 RPM	Jockey Pump HP @ 2900 RPM
<b>450 (1703)</b>	71-131 (4.89-9)	FGHC 125-100-250	5	22.5	VMSCP4-8	40 HP	71HP	2HP
			6	22.5	VMSCP4-10	50 HP	71HP	3HP
			7	22.5	VMSCP4-10	60 HP	71HP	3HP
			8	22.5	VMSCP4-12	60 HP	71HP	3HP
			9	22.5	VMSCP4-14	75 HP	83HP	4HP
<b>500 (1892)</b>	71-131 (4.89-9)	DSCP 125-100-250	5	25	VMSCP4-8	40 HP	71HP	2HP
			6	25	VMSCP4-10	50 HP	71HP	3HP
			7	25	VMSCP4-12	60 HP	71HP	3HP
			8	25	VMSCP4-14	75 HP	83HP	4HP
			9	25	VMSCP4-14	75 HP	83HP	4HP
<b>500 (1892)</b>	131-214 (9-14.75)	DSCP 150-125-315	9	25	VMSCP4-14	100 HP	115HP	4HP
			10	22.3	VMSCP10-10	125 HP	145HP	5.5HP
			11	25	VMSCP10-12	125 HP	145HP	5.5HP
			12	25	VMSCP10-14	150 HP	175HP	7.5HP
			13	25	VMSCP10-14	150 HP	175HP	7.5HP
			14	22.3	VMSCP10-14	200 HP	216HP	7.5HP
			14.75	25	VMSCP10-16	200 HP	216HP	7.5HP

## Horizontal Split Case Quick Selection guide

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Jockey Flow in USgpm	Jockey Pump Model	Electric Motor HP @ 2900 RPM	Diesel Engine HP @ 3000 RPM	Jockey Pump HP @ 2900 RPM
<b>750(2838)</b>	65-130 (4.4-8.96)	DSCP 125-100-250	5	37.5	VMSCP10-6	50 HP	60HP	3HP
			6	37.5	VMSCP10-7	60 HP	71HP	4HP
			7	37.5	VMSCP10-8	75 HP	83HP	4HP
			8	37.5	VMSCP10-10	100 HP	115HP	5.5HP
			8.96	37.5	VMSCP10-12	100 HP	115HP	5.5HP
<b>750(2838)</b>	129-213 (8.8-14.68)	DSCP 150-125-315	9	37.5	VMSCP10-12	125 HP	145HP	5.5HP
			10	37.5	VMSCP10-12	125 HP	145HP	5.5HP
			11	37.5	VMSCP10-14	150 HP	175HP	7.5HP
			12	37.5	VMSCP10-14	200 HP	216HP	7.5HP
			13	37.5	VMSCP10-16	200 HP	216HP	7.5HP
			14	37.5	VMSCP10-16	200 HP	216HP	7.5HP
			14.68	37.5	VMSCP10-18	200 HP	275HP	10 HP
<b>1000(3785)</b>	80-142 (5.51- 9.7)	DSCP 200-150-250	6	50	VMSCP15-5	100 HP	115HP	5.5 HP
			7	50	VMSCP15-6	125 HP	145HP	7.5 HP
			8	50	VMSCP15-7	150 HP	175HP	7.5 HP
<b>1000(3785)</b>	127-210 (8.75-14.4)	DSCP 150-125-315	9	50	VMSCP15-8	150 HP	175HP	10 HP
			10	50	VMSCP15-8	150 HP	175HP	10 HP
			11	50	VMSCP15-9	200 HP	216HP	10 HP
			12	50	VMSCP15-10	200 HP	216HP	15 HP
			13	50	VMSCP15-12	200 HP	275HP	15 HP
			14	50	VMSCP15-12	250 HP	275HP	15 HP

## Horizontal Split Case Quick Selection guide

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Jockey Flow in USgpm	Jockey Pump Model	Electric Motor HP @ 2900 RPM	Diesel Engine HP @ 3000 RPM	Jockey Pump HP @ 2900 RPM
<b>1250(4732)</b>	78-140 (5.3- 9.6)	DSCP 200-150-250	5.5	60	VMSCP15-5	100 HP	115HP	5.5 HP
			6	60	VMSCP15-5	100 HP	115HP	5.5 HP
			7	60	VMSCP15-6	125 HP	145HP	7.5 HP
			8	60	VMSCP15-7	150 HP	175HP	7.5 HP
<b>1250(4732)</b>	121-205 (8.34-14.13)	DSCP 150-125-315	9	60	VMSCP15-8	150 HP	175HP	10 HP
			10	60	VMSCP15-9	200 HP	216HP	10 HP
			11	60	VMSCP15-9	200 HP	216HP	10 HP
			12	60	VMSCP15-10	200 HP	275HP	15 HP
			13	60	VMSCP15-12	250 HP	275HP	15 HP
<b>1500(5678)</b>	75-139 (8.34-14.13)	DSCP 200-150-250	5.5	75	VMSCP15-5	100 HP	115HP	5.5 HP
			6	75	VMSCP15-6	125 HP	145HP	7.5 HP
			7	75	VMSCP15-7	150 HP	175HP	7.5 HP
			8	75	VMSCP15-8	200 HP	216HP	10 HP
			9	75	VMSCP15-9	200 HP	216HP	10 HP
<b>2000(7571)</b>	80-133 (5.5-9.17)	DSCP 250-200-250	6	100	VMSCP20-6	200 HP	216HP	10 HP
			7	100	VMSCP20-7	200 HP	275HP	10 HP
			8	100	VMSCP20-8	250 HP	275HP	15 HP
	80-133 (5.5-9.17)	DSCP 250-200-250 Motor driven	9	100	VMSCP20-10	300 HP	300HP 2350 RPM	15 HP

## End Suction Quick Selection guide

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Jockey Flow in USgpm	Jockey Pump Model	Electric Motor HP @ 2900 RPM	Diesel Engine HP @ 3000 RPM	Jockey Pump HP @ 2900 RPM
<b>50(189)</b>	96-130 (6.61- 8.96)	NCP 65-40-250	6.7	2.50	VMSCP1s-15	15HP	15 HP	0.75 HP
			7	2.50	VMSCP1s-15	15HP	15 HP	0.75 HP
			8	2.50	VMSCP1s-17	15HP	15 HP	0.75 HP
			8.95	2.50	VMSCP1s-19	15HP	20 HP	0.75 HP
	85-134 (5.86- 9.23)	NCP 80-65-250	6	2.50	VMSCP1s-13	15HP	15 HP	0.5 HP
			9.2	2.50	VMSCP1s-19	20HP	30 HP	0.75 HP
<b>100(378)</b>	95-127 (6.55- 8.75)	NCP 65-40-250	6.6	5.00	VMSCP1-12	15HP	15 HP	1 HP
			7	5.00	VMSCP1-13	15HP	20 HP	1 HP
			8	5.00	VMSCP1-15	20 HP	20 HP	1 HP
			8.75	5.00	VMSCP1-17	20 HP	30 HP	1.5 HP
	84-134 (5.79- 9.23)	NCP 80-65-250	6	5.00	VMSCP1-11	15HP	15 HP	0.75 HP
			9.2	5.00	VMSCP1-17	25 HP	30 HP	1.5 HP
<b>150(567)</b>	83-135 (5.12- 9.30)	NCP 80-65-250	6	7.50	VMSCP1-13	15HP	20 HP	1 HP
			7	7.50	VMSCP1-15	20 HP	30 HP	1 HP
			8	7.50	VMSCP2-11	25 HP	30 HP	1.5 HP
			9	7.50	VMSCP2-13	30HP	30 HP	2 HP
			9.3	7.50	VMSCP2-13	30HP	57 HP	2 HP

## End Suction Quick Selection guide

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Jockey Flow in USgpm	Jockey Pump Model	Electric Motor HP @ 2900 RPM	Diesel Engine HP @ 3000 RPM	Jockey Pump HP @ 2900 RPM
<b>200 (757)</b>	81-135 (5.58-9.30)	NCP 80-65-250	5.8	10.00	VMSCP3-11	20 HP	20 HP	1.5 HP
			6	10.00	VMSCP3-11	20 HP	30 HP	1.5 HP
			7	10.00	VMSCP3-13	25 HP	30 HP	1.5 HP
			8	10.00	VMSCP3-15	30 HP	30 HP	1.5 HP
			9	10.00	VMSCP3-17	30 HP	57 HP	2 HP
			9.3	10.00	VMSCP3-17	40 HP	57 HP	2 HP
<b>250(946)</b>	78-134 (5.37-9.23)	NCP 80-65-250	5.5	12.50	VMSCP3-12	20 HP	30 HP	1.5 HP
			6	12.50	VMSCP3-13	25 HP	30 HP	1.5 HP
			7	12.50	VMSCP3-15	30 HP	30 HP	1.5 HP
			8	12.50	VMSCP3-17	30 HP	57 HP	2 HP
			9	12.50	VMSCP3-19	40 HP	57 HP	2 HP
<b>300(1135)</b>	94-132 (6.48-9.10)	NCP 125-100-250	6.65	15.00	VMSCP3-17	40 HP	57 HP	2 HP
			7	15.00	VMSCP3-17	50 HP	57 HP	2 HP
			8	15.00	VMSCP4-10	50 HP	57 HP	3 HP
			9	15.00	VMSCP4-12	60 HP	71 HP	3 HP



## End Suction Quick Selection guide

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Jockey Flow in USgpm	Jockey Pump Model	Electric Motor HP @ 2900 RPM	Diesel Engine HP @ 3000 RPM	Jockey Pump HP @ 2900 RPM
<b>400(1514)</b>	93-131 (6.41 - 9.03)	NCP 125-100-250	6.55	20.00	VMSCP4-10	50 HP	57 HP	3 HP
			7	20.00	VMSCP4-10	50 HP	57 HP	3 HP
			8	20.00	VMSCP4-12	60 HP	71 HP	3 HP
			9	20.00	VMSCP4-12	75 HP	71 HP	3 HP
	122-207 (8.41 - 14.27)	NCP 125-100-315	10	20.00	VMSCP4-14	75 HP	83 HP	4 HP
			11	20.00	VMSCP4-16	100 HP	115 HP	4 HP
			12	20.00	VMSCP4-16	100 HP	115 HP	4 HP
			13	20.00	VMSCP4-19	100 HP	115 HP	5.5 HP
			14	20.00	VMSCP4-19	100 HP	115 HP	5.5 HP
	<b>450(1703)</b>	92-131 (6.34 - 9.03)	NCP 125-100-250	6.5	22.50	VMSCP4-10	50 HP	57 HP
7				22.50	VMSCP4-10	50 HP	57 HP	3 HP
8				22.50	VMSCP4-12	60 HP	71 HP	3 HP
9				22.50	VMSCP4-14	75 HP	83 HP	4 HP
121-207 (8.34 - 14.27)		NCP 125-100-315	10	22.50	VMSCP4-14	75 HP	83 HP	4 HP
			11	22.50	VMSCP4-16	100 HP	115 HP	4 HP
			12	22.50	VMSCP4-19	100 HP	115 HP	5.5 HP
			13	22.50	VMSCP4-19	100 HP	115 HP	5.5 HP
			14	22.50	VMSCP4-22	125 HP	145 HP	5.5 HP

## End Suction Quick Selection guide

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Jockey Flow in USgpm	Jockey Pump Model	Electric Motor HP @ 2900 RPM	Diesel Engine HP @ 3000 RPM	Jockey Pump HP @ 2900 RPM
<b>500(1892)</b>	91-130 (6.21 - 8.96)	NCP 125-100-250	6.5	25.00	VMSCP 4-10	50 HP	57 HP	3 HP
			7	25.00	VMSCP4-12	60 HP	71 HP	3 HP
			8	25.00	VMSCP4-14	60 HP	71 HP	4 HP
			8.96	25.00	VMSCP4-14	75 HP	83 HP	4 HP
	120-207 (8.27 - 14.27)	NCP 125-100-315	10	22.00	VMSCP10-10	100 HP	115 HP	5.5 HP
			11	25.00	VMSCP10-12	100 HP	115 HP	5.5 HP
			12	25.00	VMSCP10-14	100 HP	115 HP	7.5 HP
			13	25.00	VMSCP10-14	125 HP	145 HP	7.5 HP
			14	22.00	VMSCP10-14	125 HP	145 HP	7.5 HP
	<b>750(2838)</b>	86-125 (5.92 - 8.61)	NCP 125-100-250	6	37.50	VMSCP10-7	60 HP	71 HP
7				37.50	VMSCP10-8	75 HP	83 HP	4 HP
8				37.50	VMSCP10-10	100 HP	115 HP	5.5 HP
8.6				37.50	VMSCP10-10	100 HP	115 HP	5.5 HP
114-203 (7.65 - 13.99)		NCP 125-100-315	9	37.50	VMSCP10-12	100 HP	115 HP	5.5 HP
			10	37.50	VMSCP10-12	100 HP	115 HP	5.5 HP
			11	37.50	VMSCP10-14	125 HP	145 HP	7.5 HP
			12	37.50	VMSCP10-14	125 HP	145 HP	7.5 HP
			13	37.50	VMSCP10-16	150 HP	175 HP	7.5 HP
			13.99	37.50	VMSCP10-16	150 HP	175 HP	7.5 HP

## End Suction Quick Selection guide

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Jockey Flow in USgpm	Jockey Pump Model	Electric Motor HP @ 2900 RPM	Diesel Engine HP @ 3000 RPM	Jockey Pump HP @ 2900 RPM
<b>1000(3785)</b>	104-188 (7.17 - 12.96)	NCP 150-125-315	7.3	50.00	VMSCP15-6	100 HP	115 HP	7.5 HP
			8	50.00	VMSCP15-7	125 HP	145 HP	7.5 HP
			9	50.00	VMSCP15-8	125 HP	145 HP	10 HP
			10	50.00	VMSCP15-8	150 HP	175 HP	10 HP
			11	50.00	VMSCP15-9	200 HP	216 HP	10 HP
			12	50.00	VMSCP15-10	200 HP	216 HP	15 HP
			12.96	50.00	VMSCP15-12	200HP	216 HP	15 HP

# Jockey Pump



## Introduction

Jockey Pump are small, motor driven pumps used in conjunction with main fire pumps to compensate for minor leaks in the fire protection system and automatically maintain stand-by pressure. This reduces wear on the main pump and controller caused by unnecessary, frequent operation. Jockey Pump controllers are available for across-the-line starting.

Occasionally in a Fire Pump system, water leakage will occur at flanged or threaded pipe connections, valve stems, stuffing boxes, etc. This normal loss of water will lower the system pressure gradually until the main Fire pump is required to start. To minimize wear on the Fire Pump resulting from unnecessary operation, a Jockey Pump is recommended for the system. In a Jockey Pump system a small pump, motor and Controller / pressure switch unit is installed in the piping system.

When the water pressure drops below the pre-set level, the pressure switch energizes a starter which activates the Jockey Pump. Correct water pressure is therefore maintained at all times. An optional minimum run timer will prevent the Jockey Pump from being started too frequently. This timer will ensure operation for a minimum of 2 minutes. If a fire should start, the pressure will continue to drop and the main Fire Pump will start. Automatic controllers also include a "Hand-off Automatic" selector switch for manual operation.

## Jockey Pumps Summary Table for Horizontal Split Case Fire Pumps

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Flow in USgpm	Jockey Pump Model	HP	RPM
<b>450 (1703)</b>	71-131 (4.89-9)	DSCP 125-100-250	5	22.5	VMSCP 4-8	2	2900
			6	22.5	VMSCP 4-10	3	2900
			7	22.5	VMSCP 4-10	3	2900
			8	22.5	VMSCP 4-12	3	2900
			9	22.5	VMSCP 4-14	4	2900
<b>500 (1893)</b>	71-131 (4.89-9)	DSCP 125-100-250	5	25	VMSCP 4-8	2	2900
			6	25	VMSCP 4-10	3	2900
			7	25	VMSCP 4-12	3	2900
			8	25	VMSCP 4-14	4	2900
			9	25	VMSCP 4-14	4	2900
<b>500 (1893)</b>	131-214 (9-14.75)	DSCP 150-125-315	9	25	VMSCP 4-14	4	2900
			10	22.3	VMSCP 10-10	5.5	2900
			11	25	VMSCP 10-12	5.5	2900
			12	25	VMSCP 10-14	7.5	2900
			13	25	VMSCP 10-14	7.5	2900
			14	22.3	VMSCP 10-14	7.5	2900
			14.75	25	VMSCP 10-16	7.5	2900

## Jockey Pumps Summary Table for Horizontal Split Case Fire Pumps

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Flow in USgpm	Jockey Pump Model	HP	RPM
<b>750(2839)</b>	65-130 (4.4-8.96)	DSCP 125-100-250	5	37.5	VMSCP 10-6	3	2900
			6	37.5	VMSCP 10-7	4	2900
			7	37.5	VMSCP 10-8	4	2900
			8	37.5	VMSCP 10-10	5.5	2900
			9	37.5	VMSCP 10-12	5.5	2900
<b>750(2839)</b>	129-213 (8.8-14.68)	DSCP 150-125-315	9	37.5	VMSCP 10-12	5.5	2900
			10	37.5	VMSCP 10-12	5.5	2900
			11	37.5	VMSCP 10-14	7.5	2900
			12	37.5	VMSCP 10-14	7.5	2900
			13	37.5	VMSCP 10-16	7.5	2900
			14	37.5	VMSCP 10-16	7.5	2900
			14.68	37.5	VMSCP 10-18	10	2900
<b>1000(3785)</b>	127-210 (8.75-14.4)	DSCP 150-125-315	9	50	VMSCP 15-8	10	2900
			10	50	VMSCP 15-8	10	2900
			11	50	VMSCP 15-9	10	2900
			12	50	VMSCP 15-10	15	2900
			13	50	VMSCP 15-12	15	2900
			14	50	VMSCP 15-12	15	2900

## Jockey Pumps Summary Table for Horizontal Split Case Fire Pumps

Rated Capacity in GPM / (LPM)	Pressure in PSI(Bar)	Electric & Diesel Engine Pump Model	Rated Pressure in Bar	Flow in USgpm	Jockey Pump Model	HP	RPM
<b>1250(4732)</b>	121-205 (8.34-14.13)	DSCP 150-125-315	9	60	VMSCP 15-8	10	2900
			10	60	VMSCP 15-9	10	2900
			11	60	VMSCP 15-9	10	2900
			12	60	VMSCP 15-10	15	2900
			13	60	VMSCP 15-12	15	2900





# PetropompSad



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