



# PUMPIRAN



راهنمای انتخاب پمپ‌های عمودی طبقاتی استیل

## PCR

### Vertical Multi Stage Steel Pumps

50 Hz



## History:

**PUMPIRAN** was founded in 1973, and from the beginning a license agreement with **KSB** company of Germany was signed which lasted 20 years. Now more than 1000 educated and experienced staffs are working in its engineering, production, and laboratories. The total area for, manufacturing workshops, laboratories, and administration is around 75000 square meters located in 160000 square meters of space.

**PUMPIRAN** has been active in design and manufacturing variety of pumps for water, oil, energy and other related industries. Variety of materials such as iron, brass, steel, alloy and steel parts are used in production and are distributed within the country and worldwide market.

**PUMPIRAN** is now proudly a holding company and majority shareholder of following entities:

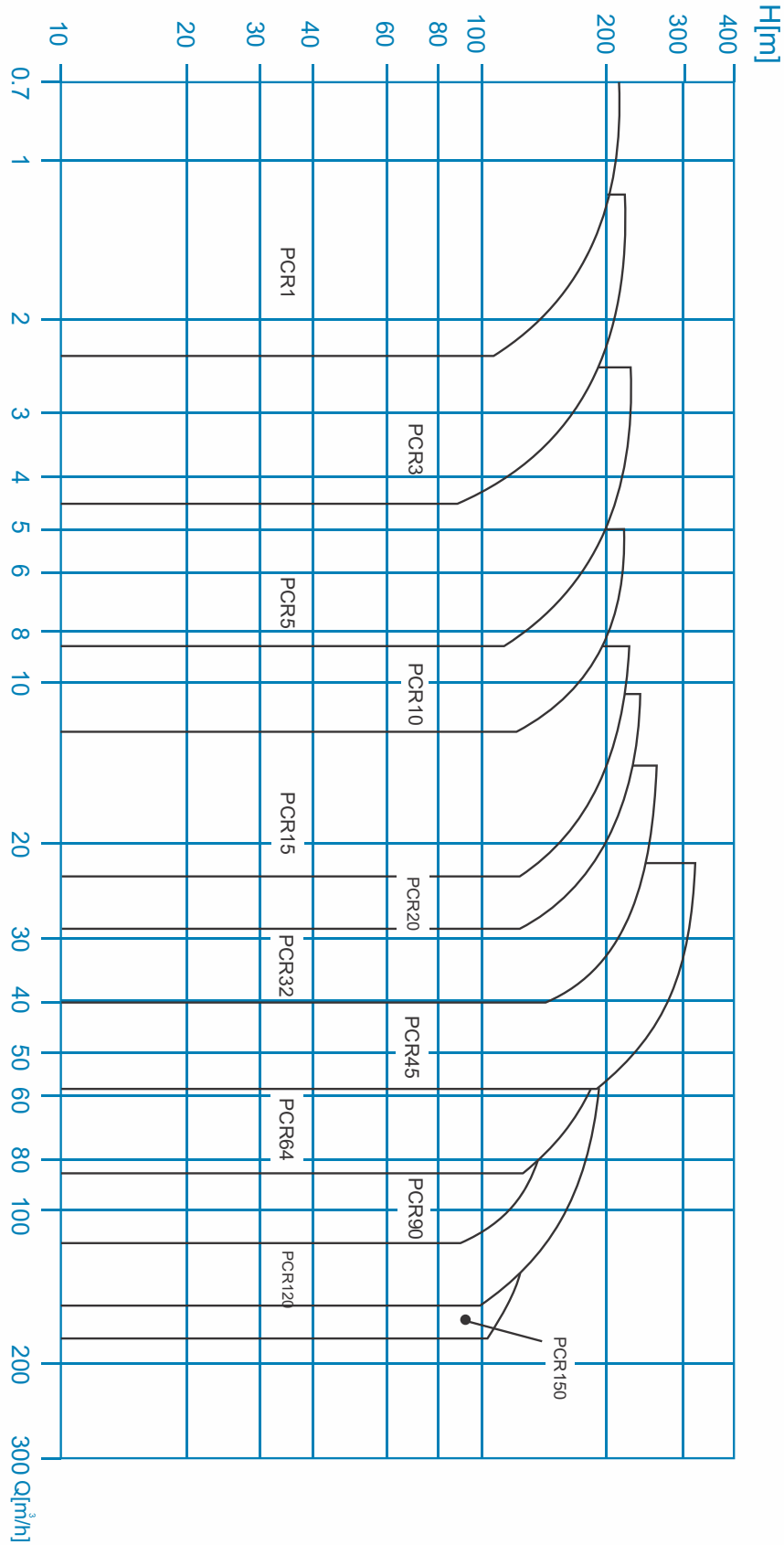
- **PUMPIRAN:** manufacturer of various kinds of submersible Electro Pumps, High Pressure Pumps, Centrifugal Pumps and Split Case Pumps.
- **Navid Sahand:** manufacturer of various kinds of Sewage & Drainage Pump, Mixed Flow & Propeller Pump, Oil and Petrochemical Pumps (API).
- **Navid Motor:** manufacturer of various kinds of Industrial & Domestic Electric Motors and Special Pumps.
- **Persia Pump:** manufacturer of various kinds of Centrifugal Pump and Special Pumps.
- **Semnan Energy:** manufacturer of various kinds of Water Circulating Pumps and Domestic Pumps.
- **Tolombe Sazan:** After sale Service Spare Manufacturer and Part Distributor.
- **Azar Fulad Godaz:** Casting of various kinds of plain carbon steel, low-alloy steel and stainless steel parts.
- **Rasha:** manufacturer of various kinds of Foundry Parts.
- **Moin Abshar:** Designing and Installation of Pumping Stations.
- **Peyvand Avijeh:** Import, Export and Consulting.

## Certification:

**PUMPIRAN** has:

- Quality management system certificate, ISO 9001-2008
- Environmental management system certificate, ISO 14001-2004
- OH & S management system certificate, OHSAS 18001-2007
- Laboratory accreditation certificate, ISO/IEC 17025-2005
- CE Certificate
- Customer satisfaction management certificate, ISO 10002-2004 for all its operations

## Performance range



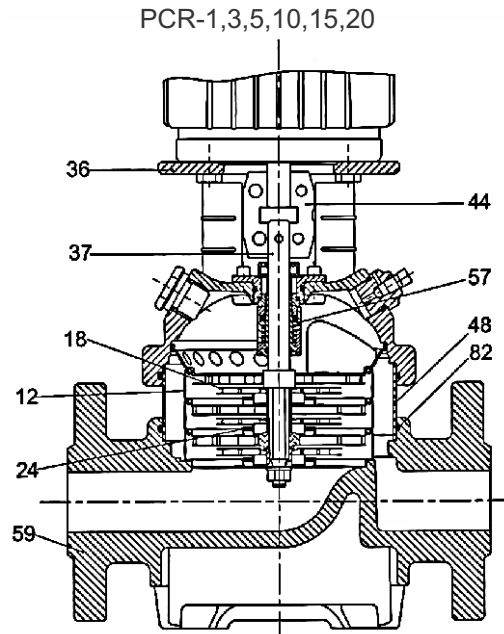
## Vertical Multistage Centrifugal in - line Pump

### Maximum operating and inlet pressures

Pump size	Stages	Maximum Operating Pressure	Stage	Maximum Inlet Pressure
PCR 1	2-36	25bar	2-36	10bar
PCR 3	2-36	25bar	2-29	10bar
			31-36	15bar
PCR 5	2-36	25bar	2-16	10bar
			18-36	15bar
PCR 10	1-16	16bar	1-6	8bar
	17-22	25bar	7-22	10bar
PCR 15	1-10	16bar	1-3	8bar
	12-17	25bar	4-17	10bar
PCR 20	1-10	16bar	1-3	8bar
	12-17	25bar	4-17	10bar
PCR 32	(1-1)-7	16bar	(1-1)-4	4bar
	(8-2)-14	30bar	(5-2)-10	10bar
			(11-2)-14	15bar
PCR 45	(1-1)-5	16bar	(1-1)-2	4bar
	(6-2)-11	30bar	(3-2)-5	10bar
	(12-2)-(13-2)	33bar	(6-2)-(13-2)	15bar
PCR 64	(1-1)-5	16bar	(1-1)-(2-2)	4bar
	(6-2)-(8-1)	30bar	(2-1)-(4-2)	10bar
			(4-1)-(8-1)	15bar
PCR 90	(1-1)-4	16bar	(1-1)-1	4bar
	(5-2)-6	30bar	(2-2)-(3-2)	10bar
			3-6	15bar
PCR 120	1-7	30bar	1-(2-1)	10bar
			2-(5-1)	15bar
			(6-1)-7	20bar
PCR 150	(1-1)-6	30bar	(1-1)-1	10bar
			(2-1)-(4-1)	15bar
			(5-2)-6	20bar

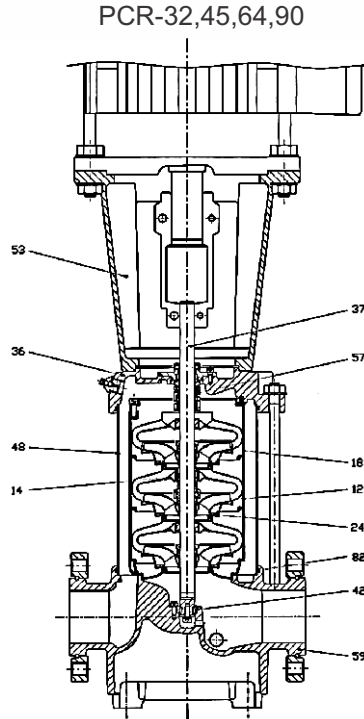
\*Rule to follow: The inlet pressure + the pressure against a closed valve < Max. Operating pressure

### Construction



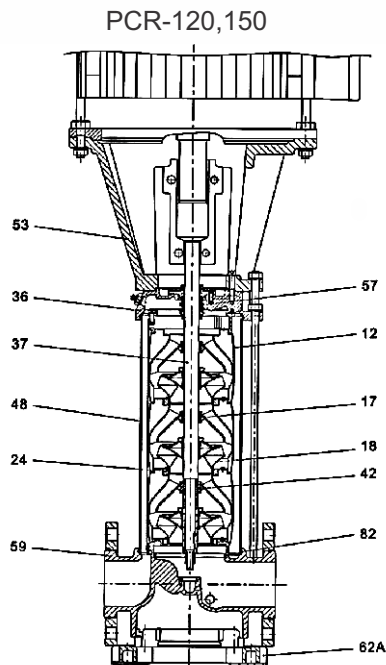
Pos.	Name	Material	PCR 1,3,5,10,15,20	
			Standard	
			Europe	USA
36	Pump head	Cast Iron	EN-GJL-200	ASTM 25B
56	Pump head cover	Stainless steel	N/A	
18	Impeller	Stainless steel	1.4301	AISI 304
37	Shaft	Stainless steel	1.4057	AISI 431
48	Outer Sleeve	Stainless steel	1.4301	AISI 304
82	O-ring for outer sleeve	EPDM		
12	Chamber	Stainless steel	1.4301	AISI 304
24	Neck ring	RTFE		
59	Base	Cast Iron	EN-GJL-200	ASTM25B
	Base	Stainless steel	N/A	
62	Base plate	Cast Iron	N/A	
44	Coupling	Fe-Cu-C	SINT C11	MPIF FC0525
57	Mechanical seal	Cartridge type		

### Construction



Pos.	Name	Material	PCR 32,45,64,90	
			Standard	
			Europe	USA
36	Pump head	Cast Iron	EN-GJL-250	ASTM 35B
		Stainless steel		
53	Motor Bracket	Cast Iron	EN-GJL-250	ASTM 35B
18	Impeller	Stainless steel	1.4301	AISI 304
37	Shaft	Stainless steel	1.4057	AISI 431
48	Outer Sleeve	Stainless steel	1.4301	AISI 304
82	O-ring for outer sleeve	EPDM		
12	Chamber	Stainless steel	1.4301	AISI 304
24	Neck ring	Carbon Fiber + POB + PTFE		
59	Base	Cast Iron	EN-GJL-200	ASTM25B
	Base	Stainless steel		N/A
62	Base plate	Cast Iron		N/A
57	Mechanical seal	Cartridge type		
14	Bearing ring			Bronze
42	Bottom Bearing ring	Tungsten carbide/ Tungsten carbide		

### Construction

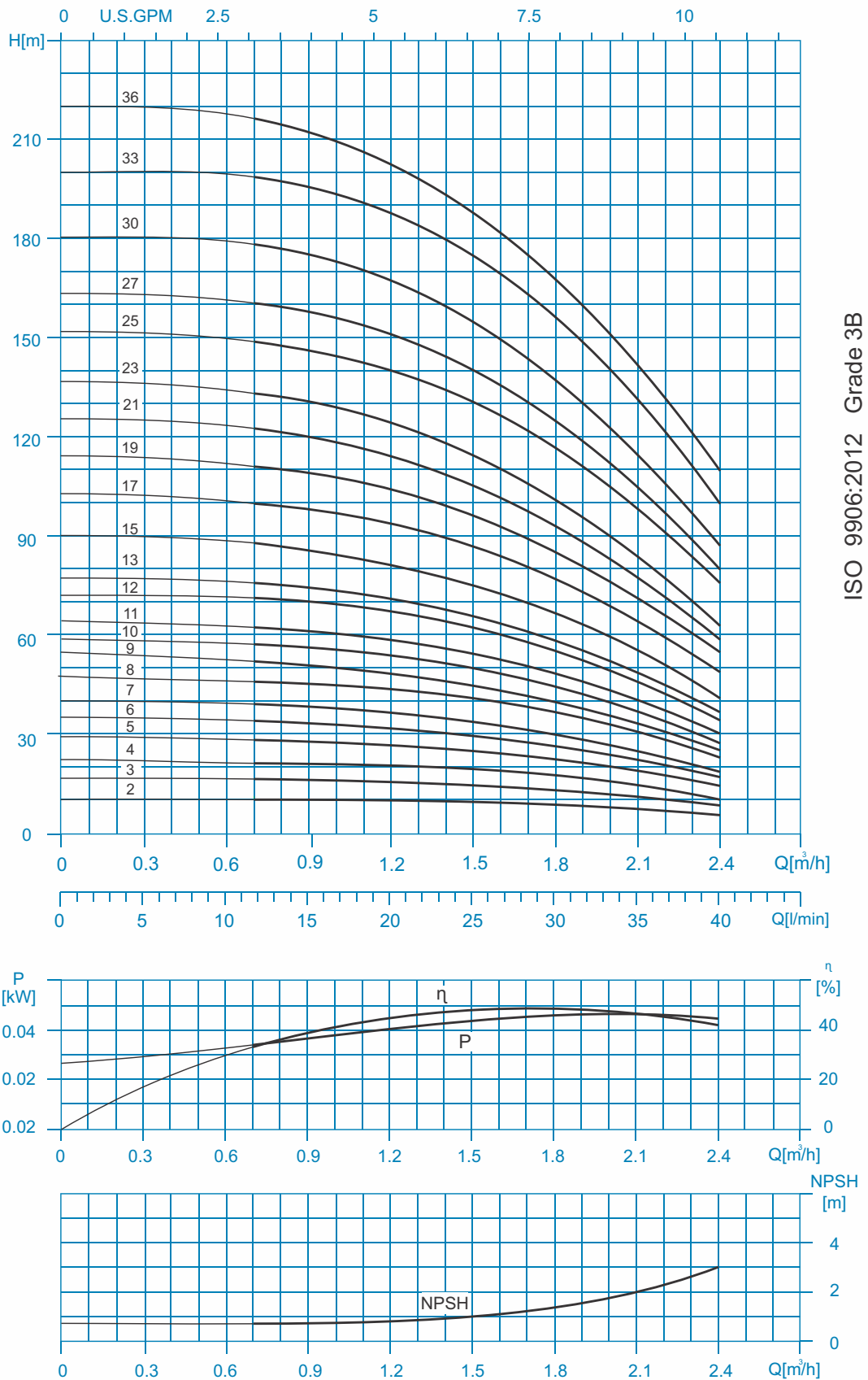


Pos.	Name	Material	PCR 120,150	
			Standard	
			Europe	USA
36	Pump head	Cast Iron	EN-GJL-250	ASTM 35B
		Stainless steel		
53	Motor Bracket (15HP~60HP)	Cast Iron	EN-GJL-250	ASTM 35B
	Motor Bracket (75HP~100HP)	Cast Iron	EN-GJS-450-10	ASTM 65-45-12
17	bearing ring	PTFE		
18	Impeller	Stainless steel	1.4301	AISI 304
37	Shaft	Stainless steel	1.4057	AISI 431
48	Outer Sleeve	Stainless steel	1.4301	AISI 304
82	O-ring for outer sleeve	EPDM		
12	Chamber	Stainless steel	1.4301	AISI 304
24	Neck ring	PTFE		
59	Base	Cast Iron	EN-GJL-250	ASTM35B
		Stainless steel		N/A
62	Base plate	Cast Iron		N/A
62A	Base plate	Cast Iron	EN-GJS-450-10	ASTM 65-45-12
57	Mechanical seal	Cartridge type		
42	Bottom bearing ring	SiC/SiC		



# PUMPIRAN

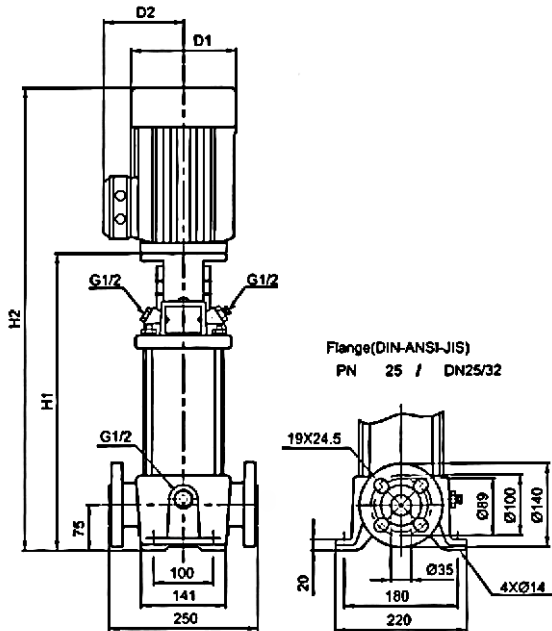
Vertical Multistage Centrifugal in - line Pump PCR 1





## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 1



### General Specification

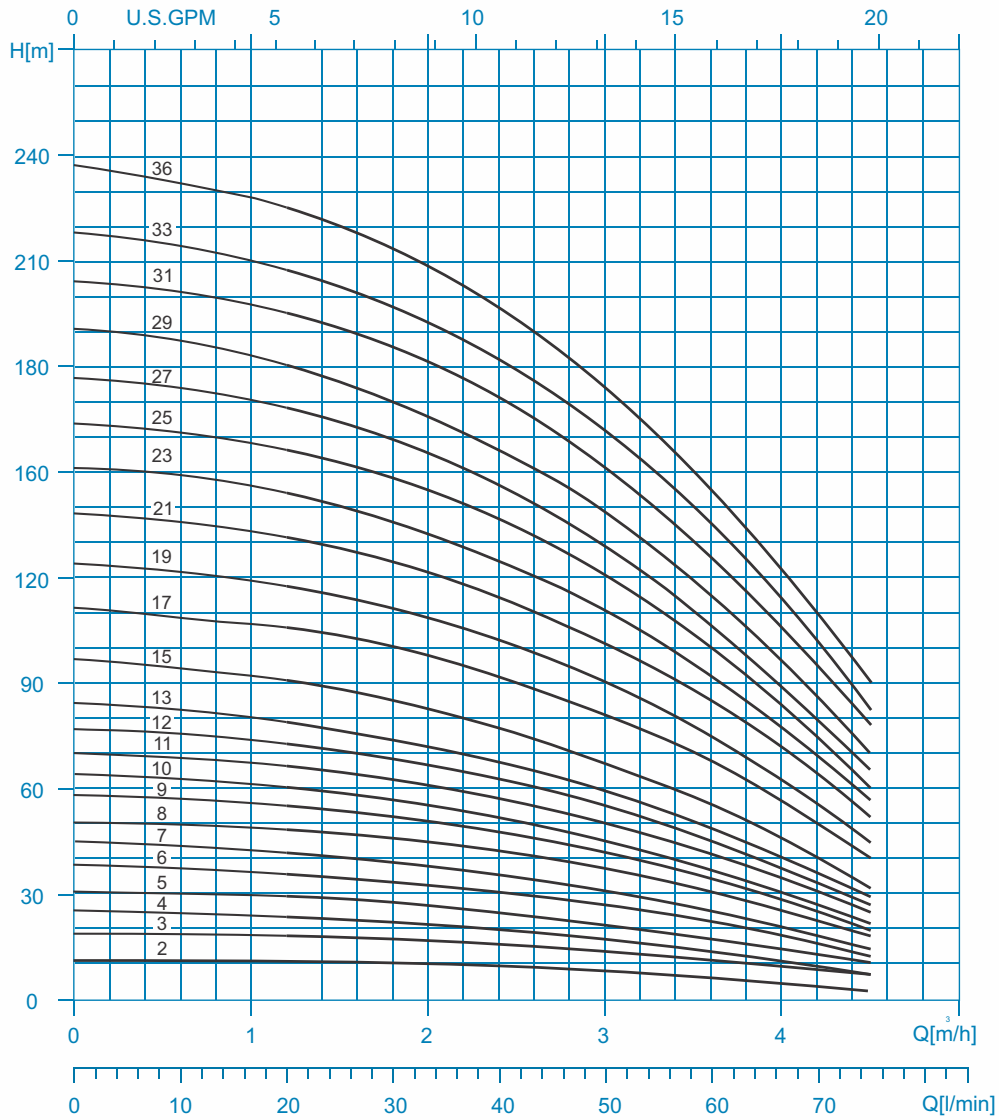
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1 ~[v/Hz]):	220-240 V, 50 Hz
Main Connection (3 ~[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50 <sup>o</sup> c

Pump type	Motor		Pump Flanges (mm)	PCR				Net weight (kg)
	P [kW]	rpm		Dimension(mm)		DIN flange		
				H1	H2		D1	D2
PCR 1-2	0.37	2900	25/32 32	279	474	141	115	23.4
PCR 1-3	0.37			279	474	141	115	23.4
PCR 1-4	0.37			297	492	141	115	23.8
PCR 1-5	0.37			315	510	141	115	24.2
PCR 1-6	0.37			315	510	141	115	24.5
PCR 1-7	0.37			351	546	141	115	24.9
PCR 1-8	0.55			369	564	141	115	25.8
PCR 1-9	0.55			387	582	141	115	26.1
PCR 1-10	0.55			405	600	141	115	26.5
PCR 1-11	0.55			423	618	141	115	26.9
PCR 1-12	0.75			447	682	141	115	29.4
PCR 1-13	0.75			465	700	141	115	29.8
PCR 1-15	0.75			501	736	141	115	30.5
PCR 1-17	1.1			537	772	141	115	32.3
PCR 1-19	1.1			573	808	141	115	33.1
PCR 1-21	1.1			609	844	141	115	33.8
PCR 1-23	1.1			645	880	141	115	34.6
PCR 1-25	1.5			697	988	177	141	44.0
PCR 1-27	1.5			733	1024	177	141	44.8
PCR 1-30	1.5			787	1078	177	141	45.9
PCR 1-33	2.2	841	1132	177	141	49.9		
PCR 1-36	2.2	895	1186	177	141	51.0		

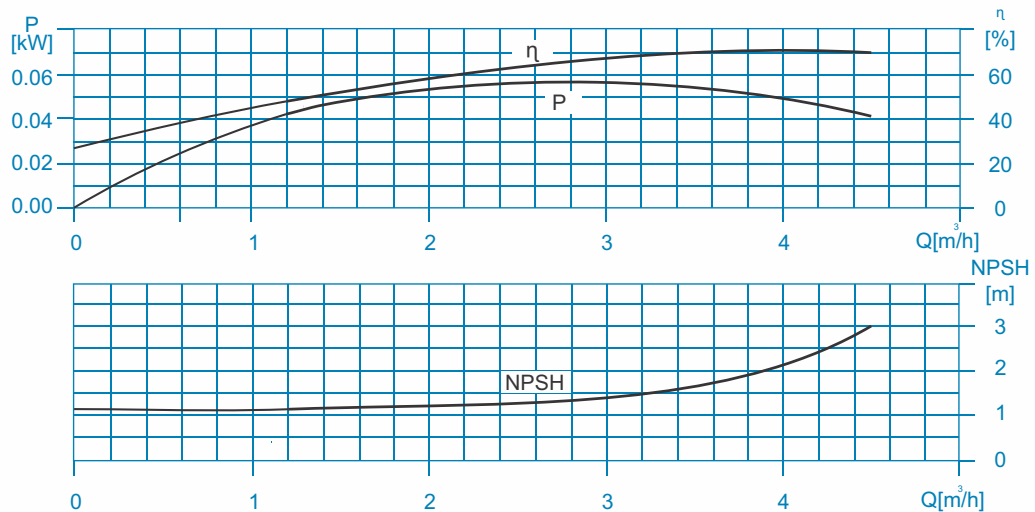


# PUMPIRAN

Vertical Multistage Centrifugal in - line Pump PCR 3

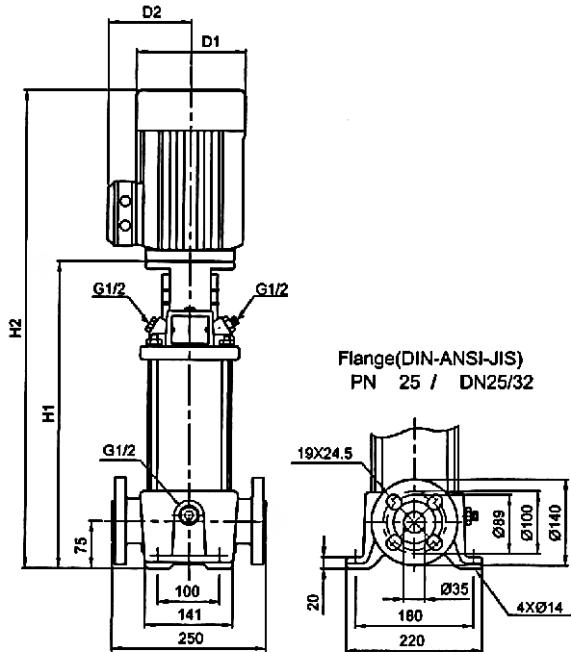


ISO 9906:2012 Grade 3B



## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 3



#### General Specification

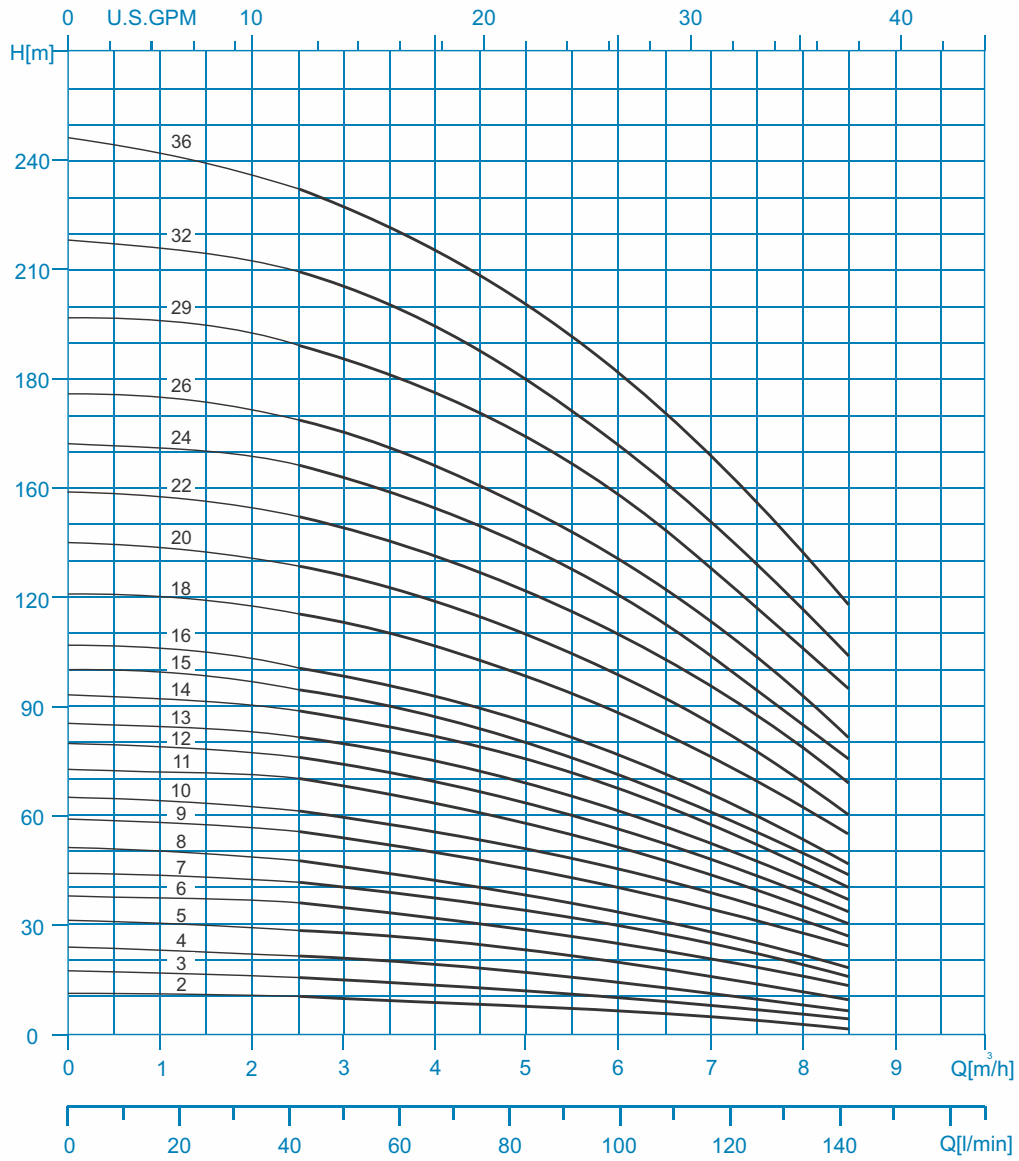
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1-[v/Hz]):	220-240 V, 50 Hz
Main Connection (3-[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50 <sup>o</sup> c

Pump type	Motor		Pump Flanges (mm)	PCR			Net weight (kg)	
	P [kW]	rpm		Dimension(mm)				
				DIN flange		D1		D2
				H1	H2		DIN flange	
PCR 3-2	0.37	2900	25/32	279	474	141	115	23.4
PCR 3-3	0.37			279	474	141	115	23.4
PCR 3-4	0.37			297	492	141	115	23.8
PCR 3-5	0.37			315	510	141	115	24.2
PCR 3-6	0.55			333	528	141	115	25.0
PCR 3-7	0.55			351	546	141	115	25.4
PCR 3-8	0.75			375	610	141	115	27.9
PCR 3-9	0.75			393	628	141	115	28.3
PCR 3-10	0.75			411	646	141	115	28.7
PCR 3-11	1.1			429	664	141	115	30.2
PCR 3-12	1.1			447	682	141	115	3.5
PCR 3-13	1.1			465	700	141	115	30.9
PCR 3-15	1.1			501	736	177	141	31.6
PCR 3-17	1.5			553	844	177	141	41.0
PCR 3-19	1.5			589	880	177	141	41.8
PCR 3-21	2.2			625	916	177	141	45.3
PCR 3-23	2.2			661	952	177	141	46.1
PCR 3-25	2.2			697	988	177	141	46.8
PCR 3-27	2.2			733	1024	177	141	47.6
PCR 3-29	2.2			769	1060	177	141	48.3
PCR 3-31	3	809	1125	197	147	56.6		
PCR 3-33	3	845	1161	197	147	57.4		
PCR 3-36	3	899	1215	197	147	58.5		

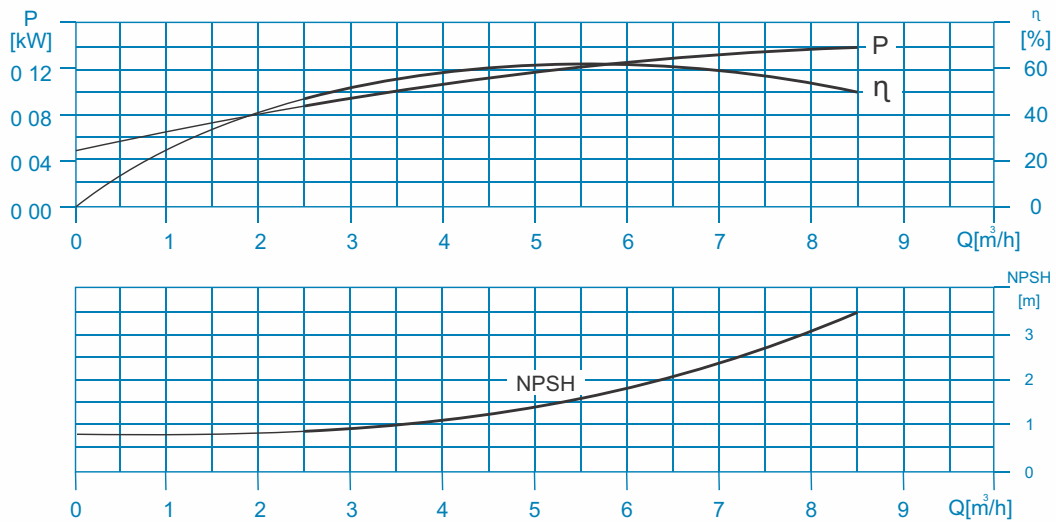


# PUMPIRAN

Vertical Multistage Centrifugal in - line Pump PCR 5

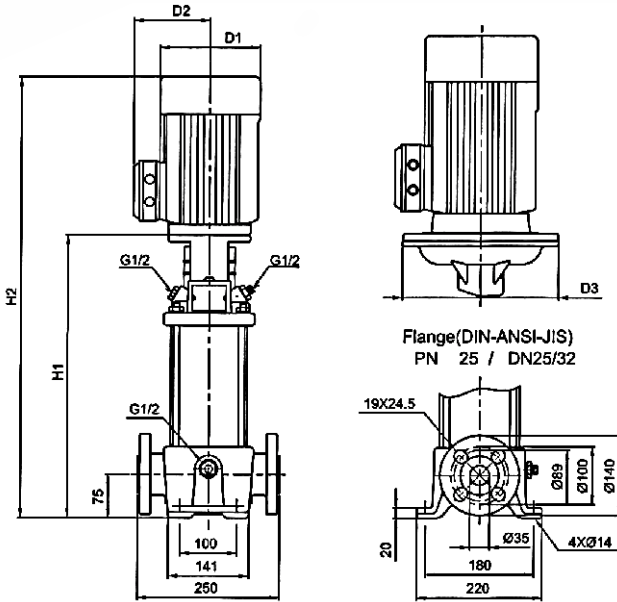


ISO 9906:2012 Grade 3B



## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 5



#### General Specification

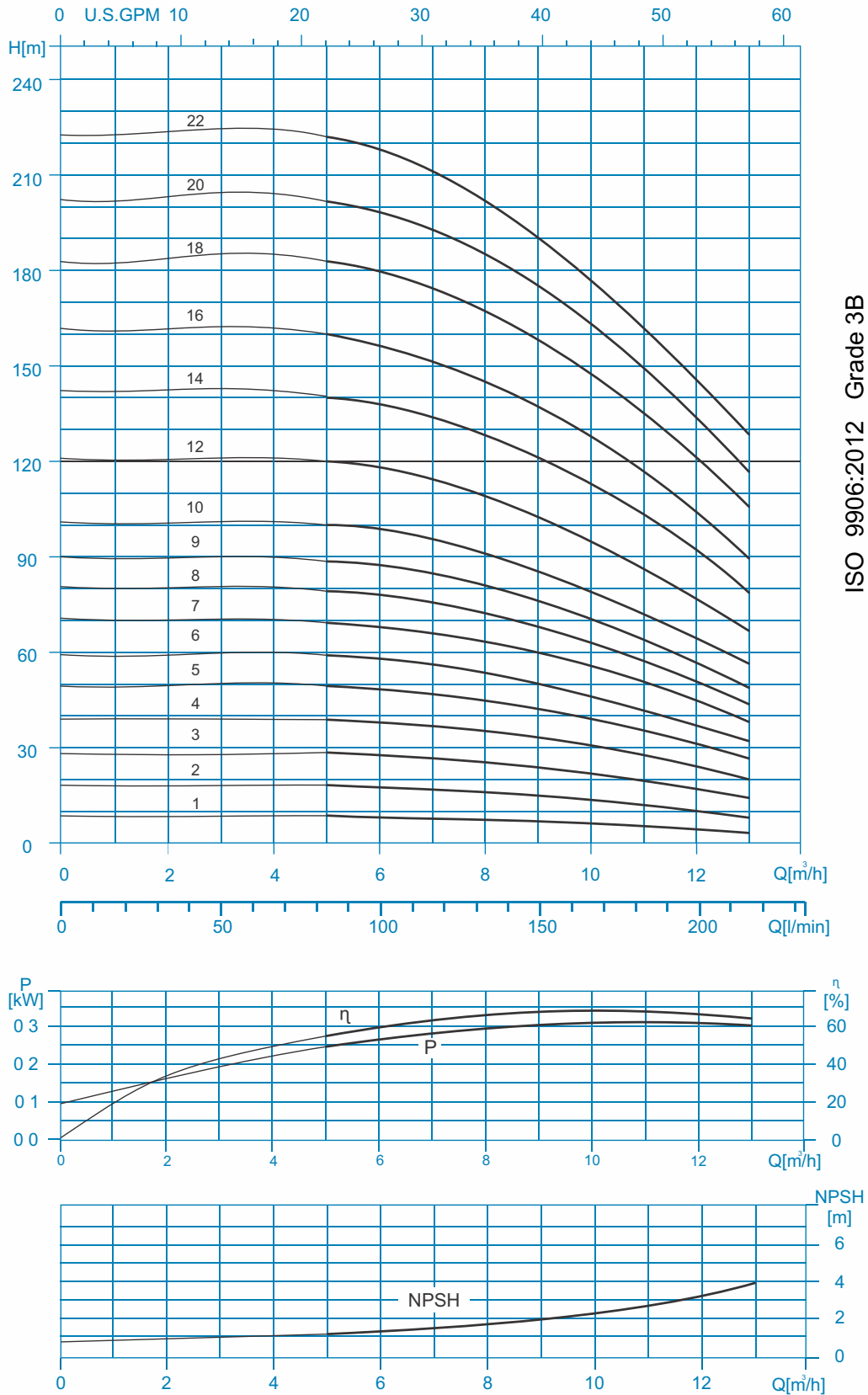
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1~[v/Hz]):	220-240 V, 50 Hz
Main Connection (3~[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50 <sup>o</sup> c

Pump type	Motor		Pump Flanges (mm)	PCR					Net weight (kg) DIN flange
	P [kW]	rpm		Dimension(mm)			D3		
				DIN flange	D1	D2			
PCR 5-2	0.37	2900	25/32	H1	H2	D1	D2	D3	23.3
PCR 5-3	0.55			279	474	141	115	-	24.2
PCR 5-4	0.55			306	501	141	115	-	24.8
PCR 5-5	0.75			333	528	141	115	-	27.4
PCR 5-6	1.1			366	601	141	115	-	29.1
PCR 5-7	1.1			393	628	141	115	-	29.6
PCR 5-8	1.1			420	655	141	115	-	30.1
PCR 5-9	1.5			447	682	141	115	-	39.3
PCR 5-10	1.5			490	781	177	141	-	39.9
PCR 5-11	2.2			517	808	177	141	-	43.2
PCR 5-12	2.2			544	835	177	141	-	43.7
PCR 5-13	2.2			571	862	177	141	-	44.2
PCR 5-14	2.2			598	889	177	141	-	44.8
PCR 5-15	2.2			625	916	177	141	-	45.2
PCR 5-16	2.2			652	943	177	141	-	45.8
PCR 5-18	3			679	970	177	141	-	54.3
PCR 5-20	3			737	1053	197	147	-	55.5
PCR 5-22	4			791	1107	197	147	-	59.8
PCR 5-24	4			845	1171	220	161	-	60.8
PCR 5-26	4			899	1225	220	161	-	62.7
PCR 5-29	4			953	1279	220	161	-	64.6
PCR 5-32	5.5			1034	1360	220	161	-	90.1
PCR 5-36	5.5			1145	1507	235	197	300	92.6
				1253	1615	235	197	300	



# PUMPIRAN

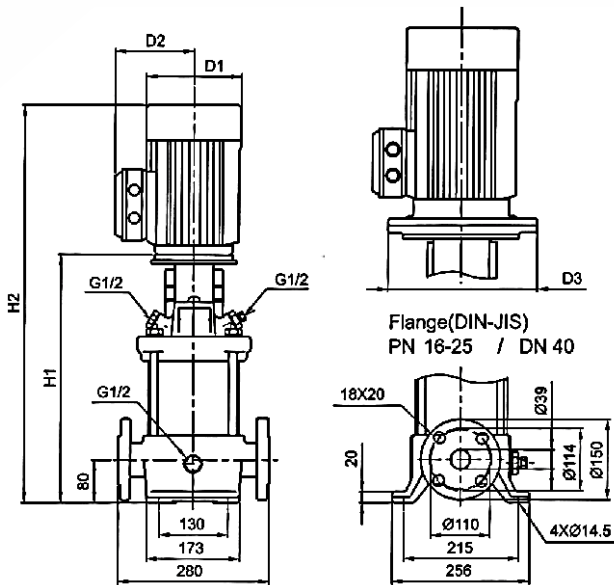
Vertical Multistage Centrifugal in - line Pump PCR 5



ISO 9906:2012 Grade 3B

## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 10



### General Specification

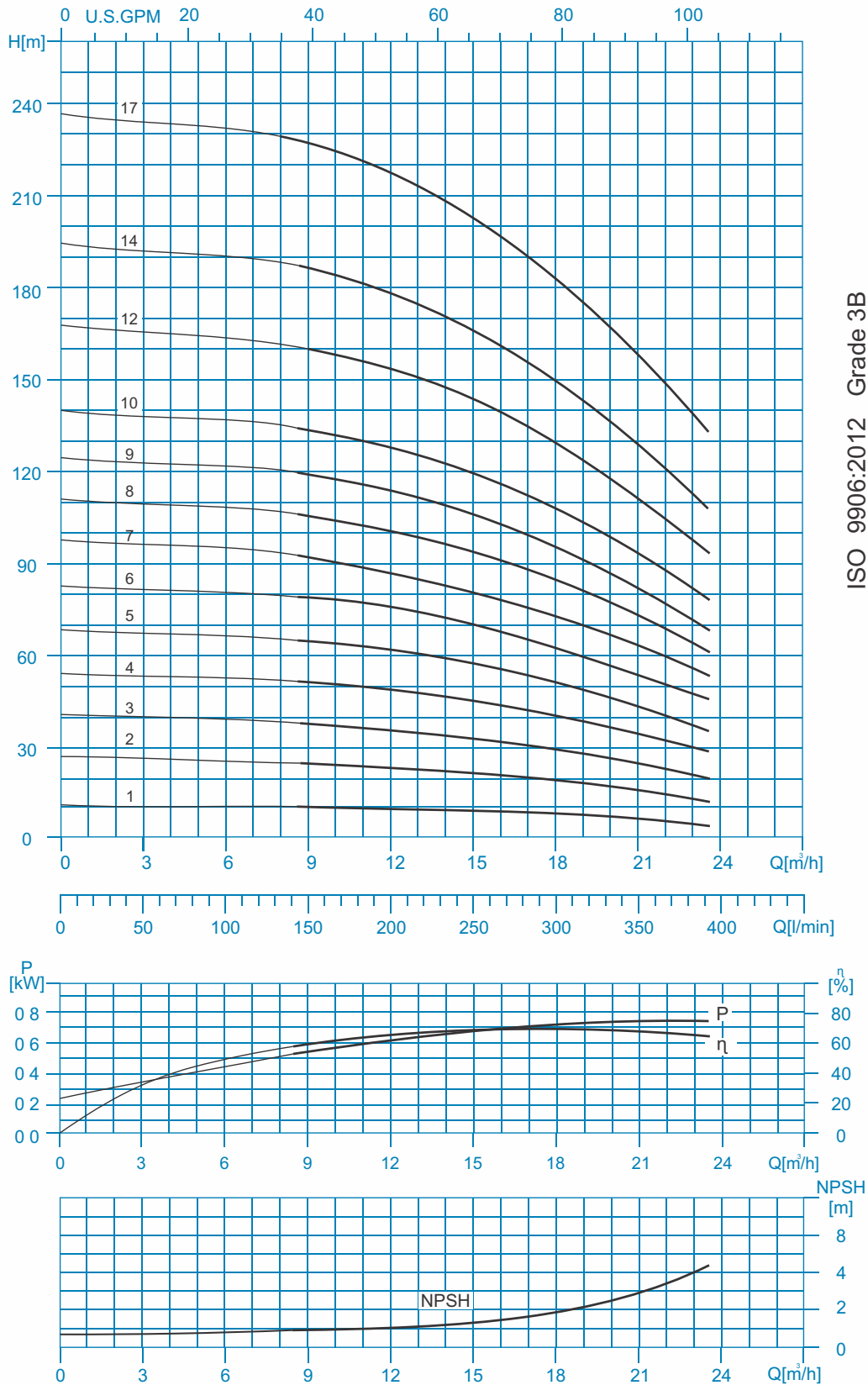
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1~[v/Hz]):	220-240 V, 50 Hz
Main Connection (3~[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50 <sup>o</sup> c

Pump type	Motor		Pump Flanges (mm)	PCR					Net weight (kg)
	P [kW]	rpm		Dimension(mm)					
				DIN flange		D1	D2	D3	DIN flange
H1	H2								
PCR 10-1	0.37	2900	40	343	538	141	115	-	35.9
PCR 10-2	0.75			347	582	141	115	-	38.2
PCR 10-3	1.1			377	612	141	115	-	40.3
PCR 10-4	1.5			423	714	177	141	-	50.1
PCR 10-5	2.2			453	744	177	141	-	53.9
PCR 10-6	2.2			483	774	177	141	-	55.0
PCR 10-7	3			518	834	197	147	-	63.8
PCR 10-8	3			548	864	197	147	-	64.9
PCR 10-9	3			578	894	197	147	-	65.9
PCR 10-10	4			608	934	220	161	-	70.3
PCR 10-12	4			668	994	220	161	-	72.4
PCR 10-14	5.5			760	1122	235	197	300	104.1
PCR 10-16	5.5			820	1182	235	197	300	106.2
PCR 10-18	7.5			880	1278	235	197	300	113.6
PCR 10-20	7.5			940	1338	235	197	300	116.7
PCR 10-22	7.5			1000	1398	235	197	300	118.8



# PUMPIRAN

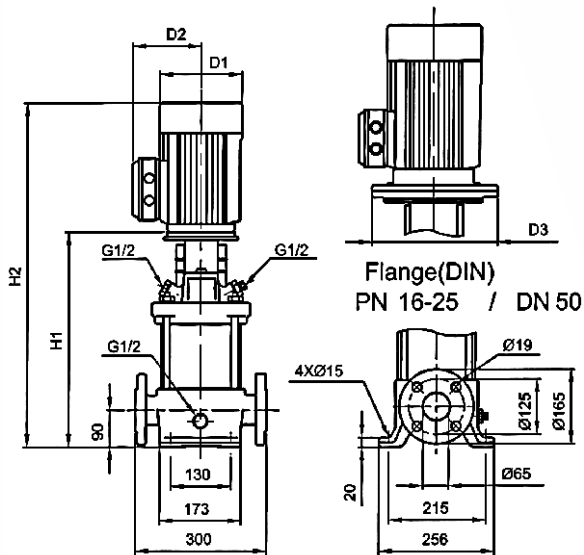
Vertical Multistage Centrifugal in - line Pump PCR 15





## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 15



#### General Specification

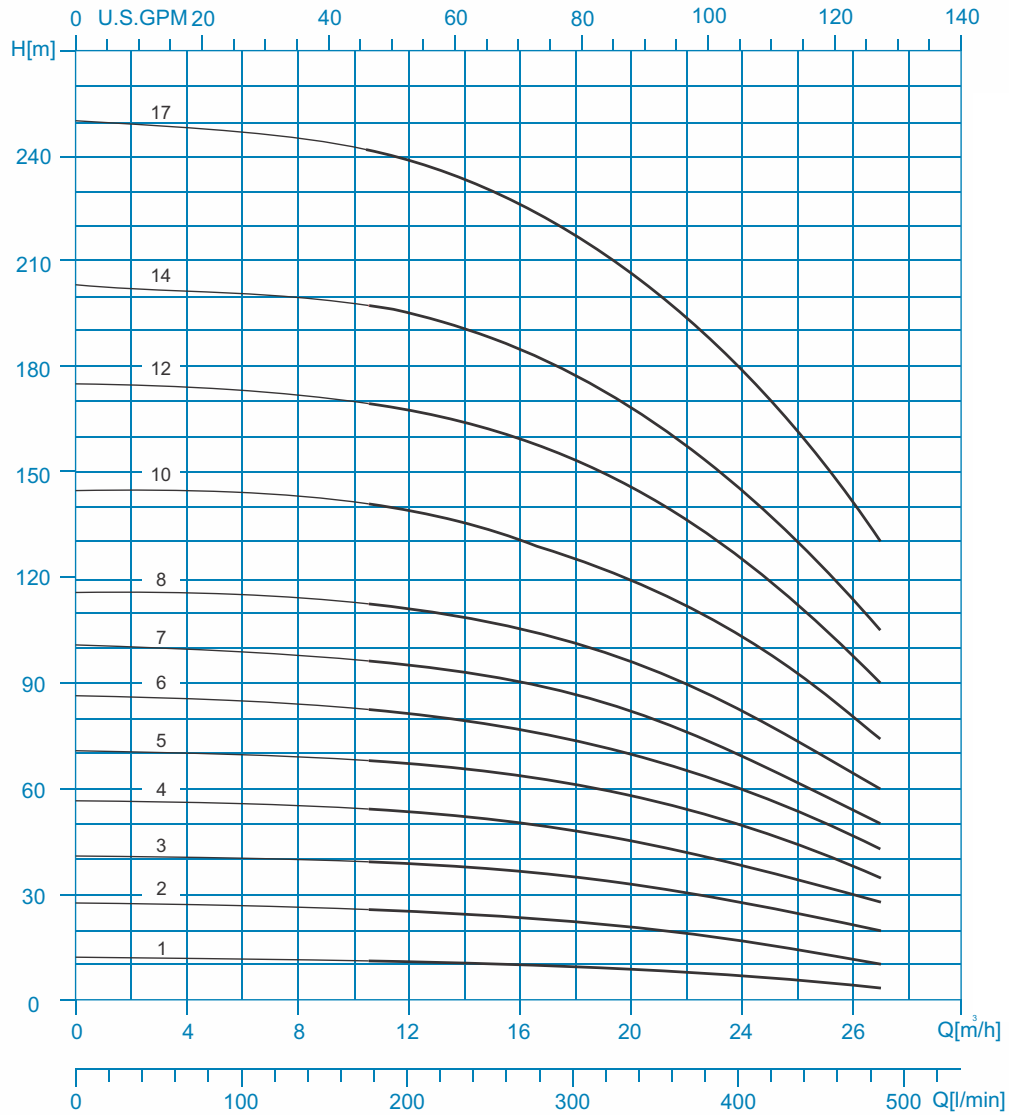
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1~[v/Hz]):	220-240 V, 50 Hz
Main Connection (3~[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50 <sup>°</sup> c

Pump type	Motor		Pump Flanges (mm)	PCR					Net weight (kg)
	P [kW]	rpm		Dimension(mm)			DIN flange		
				H1	H2	D1		D2	D3
PCR 15-1	1.1	2900	50	400	635	141	115	-	43.8
PCR 15-2	2.2			415	706	177	141	-	55.7
PCR 15-3	3			465	781	197	147	-	64.9
PCR 15-4	4			510	836	220	161	-	69.7
PCR 15-5	4			555	881	220	161	-	71.2
PCR 15-6	5.5			623	994	235	197	300	102.3
PCR 15-7	5.5			677	1039	235	197	300	103.8
PCR 15-8	7.5			722	1120	235	197	300	111.8
PCR 15-9	7.5			767	1165	235	197	300	113.3
PCR 15-10	11			889	1394	318	154	300	150.0
PCR 15-12	11			979	1484	318	154	300	153.0
PCR 15-14	11			1064	1574	318	154	300	156.3
PCR 15-17	15			1204	1714	318	154	300	171.5

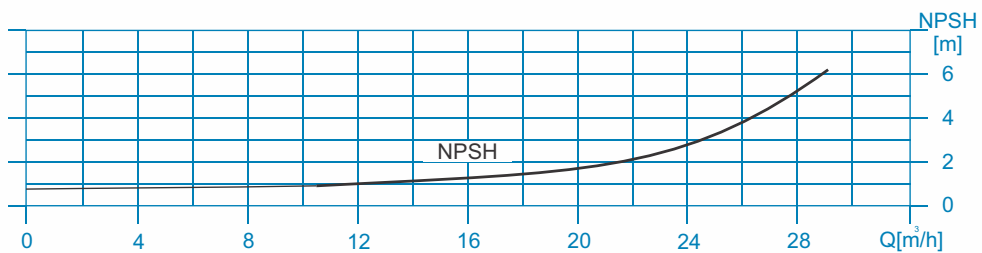
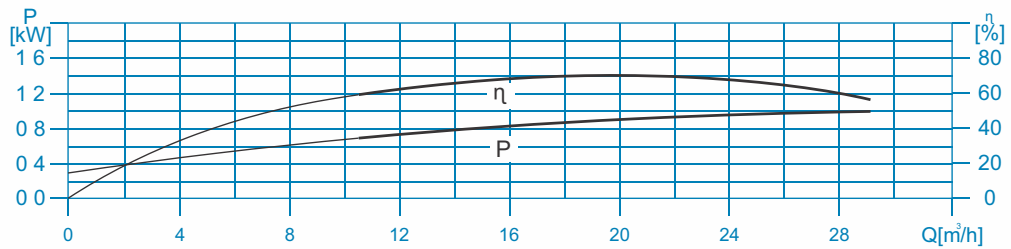


# PUMPIRAN

Vertical Multistage Centrifugal in - line Pump PCR 20

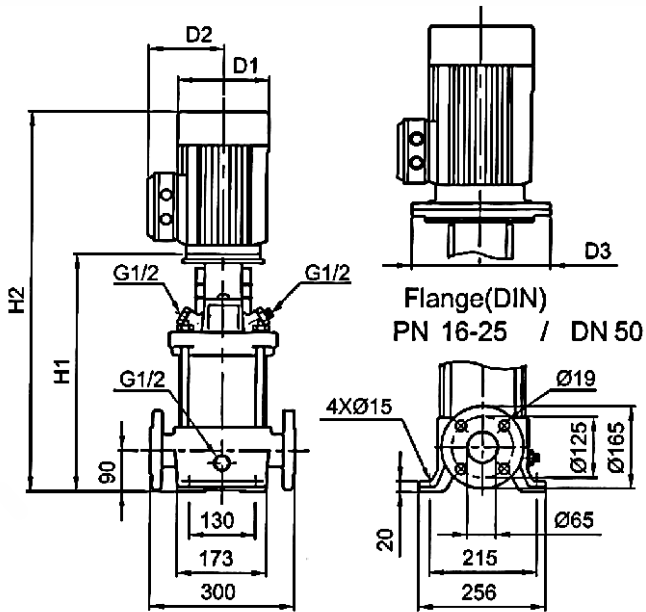


ISO 9906:2012 Grade 3B



## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 20



### General Specification

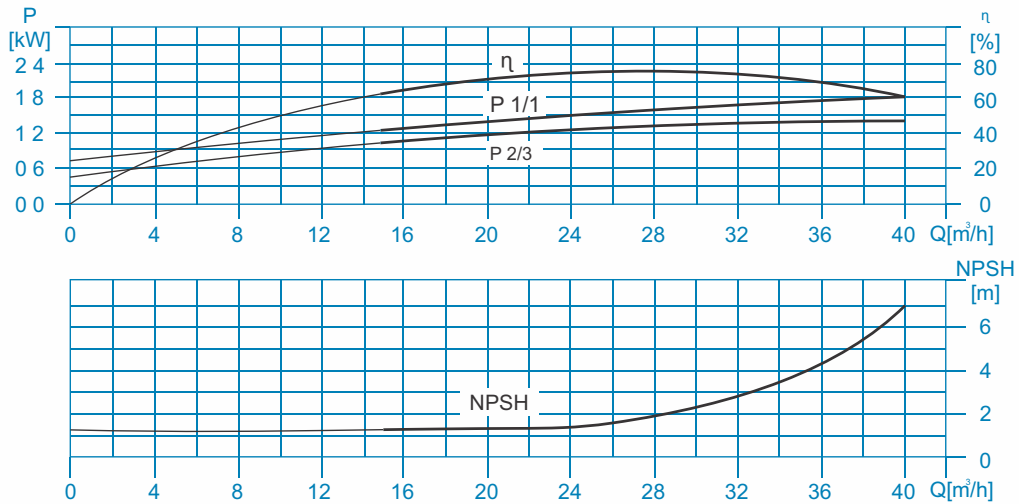
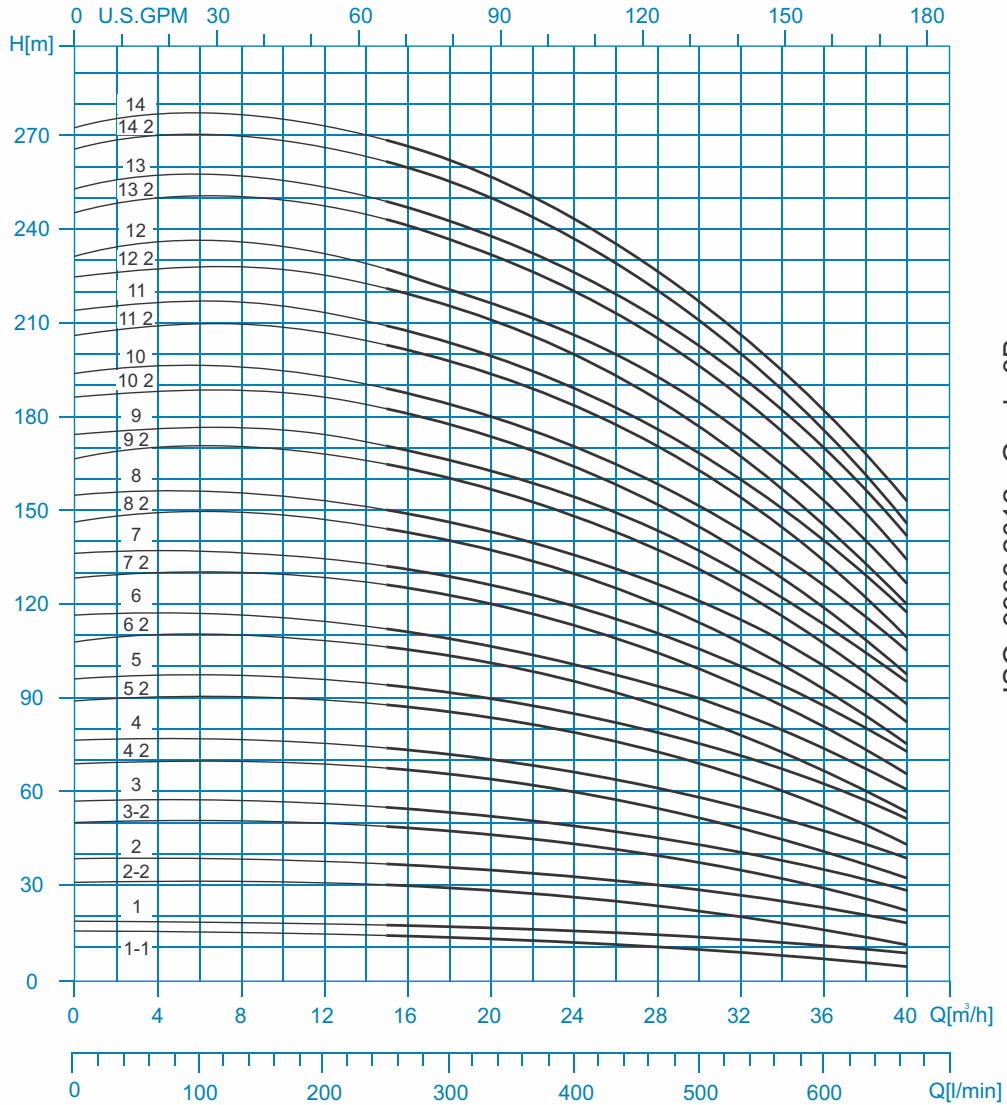
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1-[v/Hz]):	220-240 V, 50 Hz
Main Connection (3-[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50 <sup>°</sup> c

Pump type	Motor		Pump Flanges (mm)	PCR					Net weight (kg)
	P [kW]	rpm		Dimension(mm)					
				DIN flange	D1	D2	D3	DIN flange	
PCR 20-1	1.1	2900	50	H1	H2				
PCR 20-2	2.2			400	636	141	115	-	43.9
PCR 20-3	4			415	708	177	141	-	55.7
PCR 20-4	5.5			465	795	220	161	-	68.3
PCR 20-5	5.5			542	910	235	197	300	99.4
PCR 20-6	7.5			587	955	235	197	300	100.8
PCR 20-7	7.5			632	1038	235	197	300	108.6
PCR 20-8	11			677	1083	235	197	300	110.1
PCR 20-10	11			799	1315	318	245	300	147.1
PCR 20-12	15			889	1405	318	245	300	150.0
PCR 20-14	15			979	1504	318	245	300	163.1
PCR 20-17	18.5			1069	1594	318	245	300	166.0
				1204	1773	318	245	300	195.4



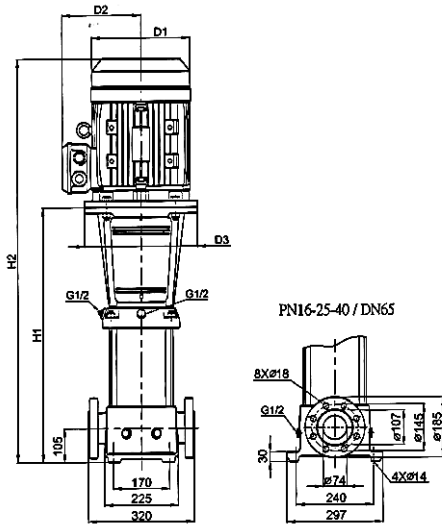
# PUMPIRAN

Vertical Multistage Centrifugal in - line Pump PCR 32



## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 32



#### General Specification

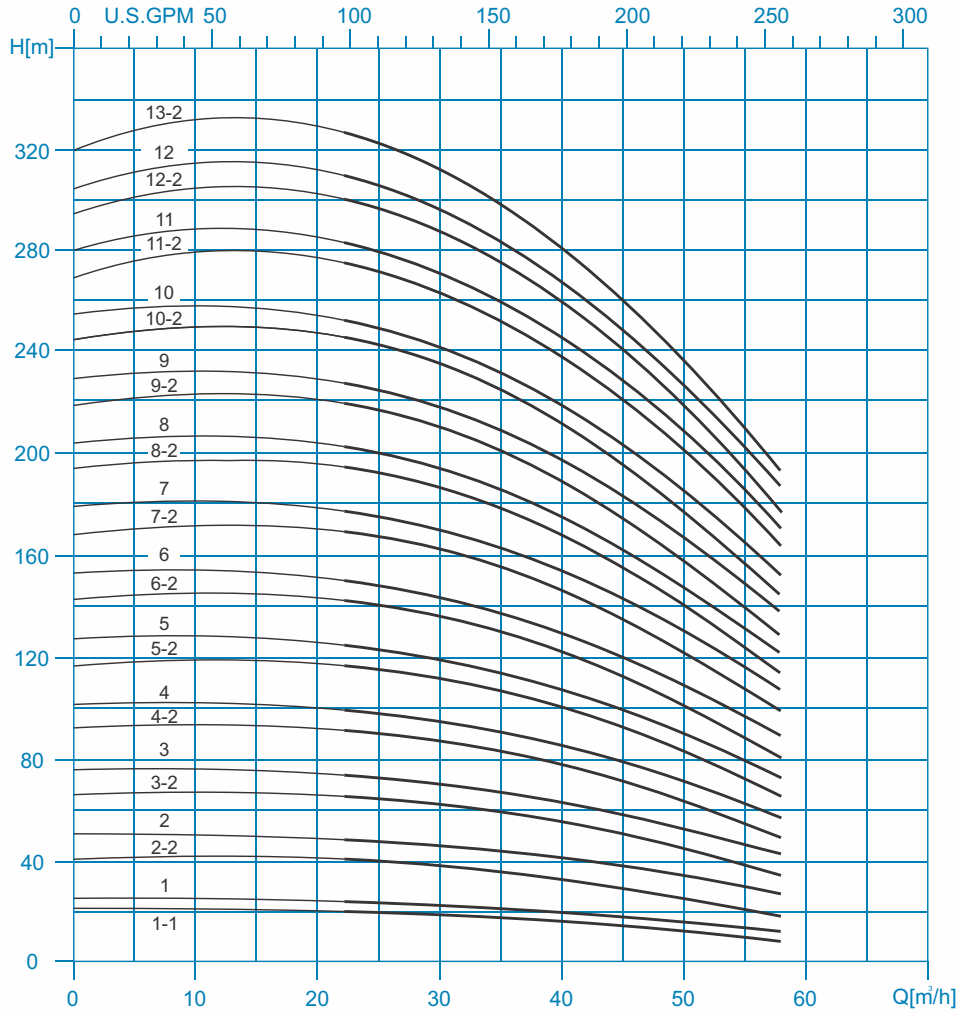
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1-[v/Hz]):	220-240 V, 50 Hz
Main Connection (3-[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50 <sup>o</sup> c

Pump type	Motor		Pump Flanges (mm)	PCR					Net weight (kg)			
	P [kW]	rpm		Dimension(mm)								
				DIN flange		D1	D2	D3	DIN flange			
PCR 32-1-1	1.5	2900	65	H1	H2					177	141	280
PCR 32-1	22			504	795	74.3						
PCR 32-2-2	3			574	935	197	147	280	84.2			
PCR 32-2	4			574	900	220	161	280	87.6			
PCR 32-3-2	5.5			644	1006	235	197	300	110.2			
PCR 32-3	5.5			644	1006	235	197	30	110.2			
PCR 32-4-2	7.5			714	1112	235	197	00	119.5			
PCR 32-4	7.5			714	1112	234	197	300	119.5			
PCR 32-5-2	11			894	1399	318	245	350	163.3			
PCR 32-5	11			894	1399	318	245	350	163.3			
PCR 32-6-2	11			964	1469	318	245	350	166.3			
PCR 32-6	11			964	1469	318	245	350	166.3			
PCR 32-7-2	15			1034	1544	318	245	350	179.5			
PCR 32-7	15			1034	1544	318	245	350	179.5			
PCR 32-8-2	15			1104	1614	318	245	350	182.6			
PCR 32-8	15			1104	1614	318	245	350	182.6			
PCR 32-9-2	18.5			1174	1724	318	245	350	210.6			
PCR 32-9	18.5			1174	1724	318	245	350	210.6			
PCR 32-10-2	18.5			1244	1794	318	245	350	212.7			
PCR 32-10	18.5			1244	1794	318	245	350	213.7			
PCR 32-11-2	22	1314	1894	358	265	350	258.8					
PCR 32-11	22	1314	1894	358	265	350	258.8					
PCR 32-12-2	22	1384	1964	358	265	350	260.8					
PCR 32-12	22	1384	1964	358	265	350	260.8					
PCR 32-13-2	30	1454	2114	420	295	400	328.2					
PCR 32-13	30	1454	2114	420	295	400	328.2					
PCR 32-14-2	30	1524	2184	420	295	400	331.3					
PCR 32-14	30	1524	2184	420	295	400	331.3					

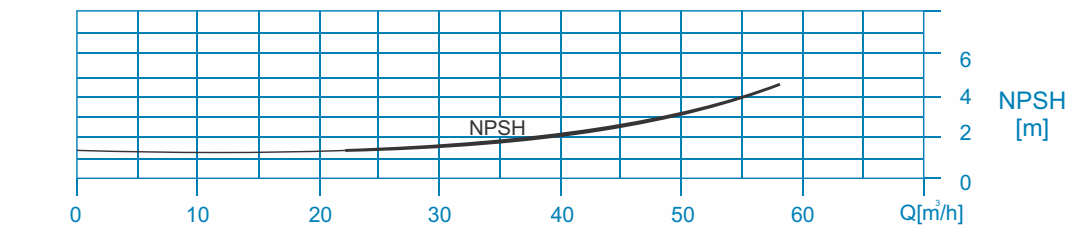
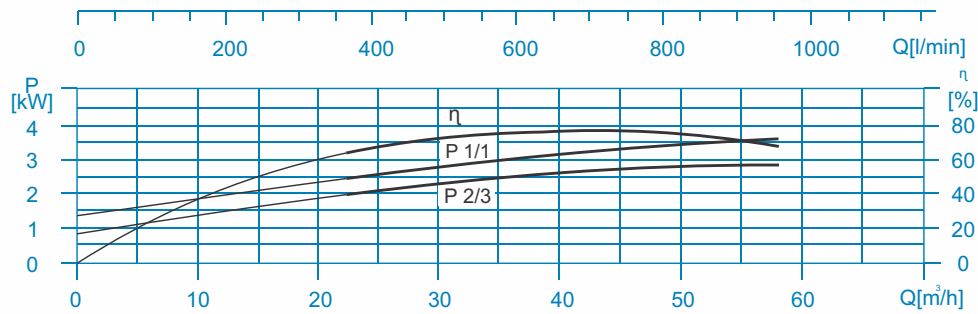


# PUMPIRAN

Vertical Multistage Centrifugal in - line Pump PCR 45

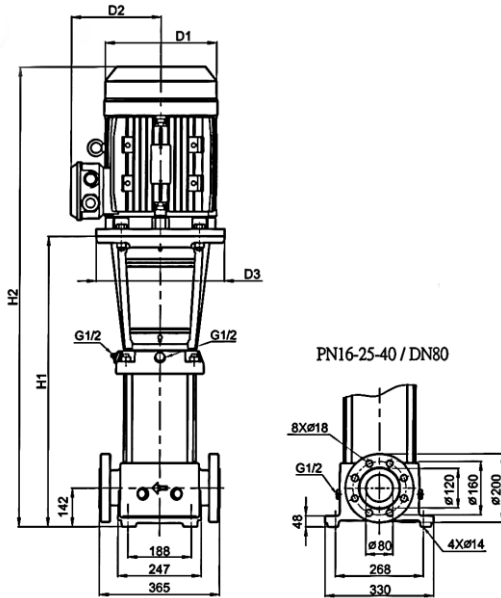


ISO 9906:2012 Grade 3B



## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 45



### General Specification

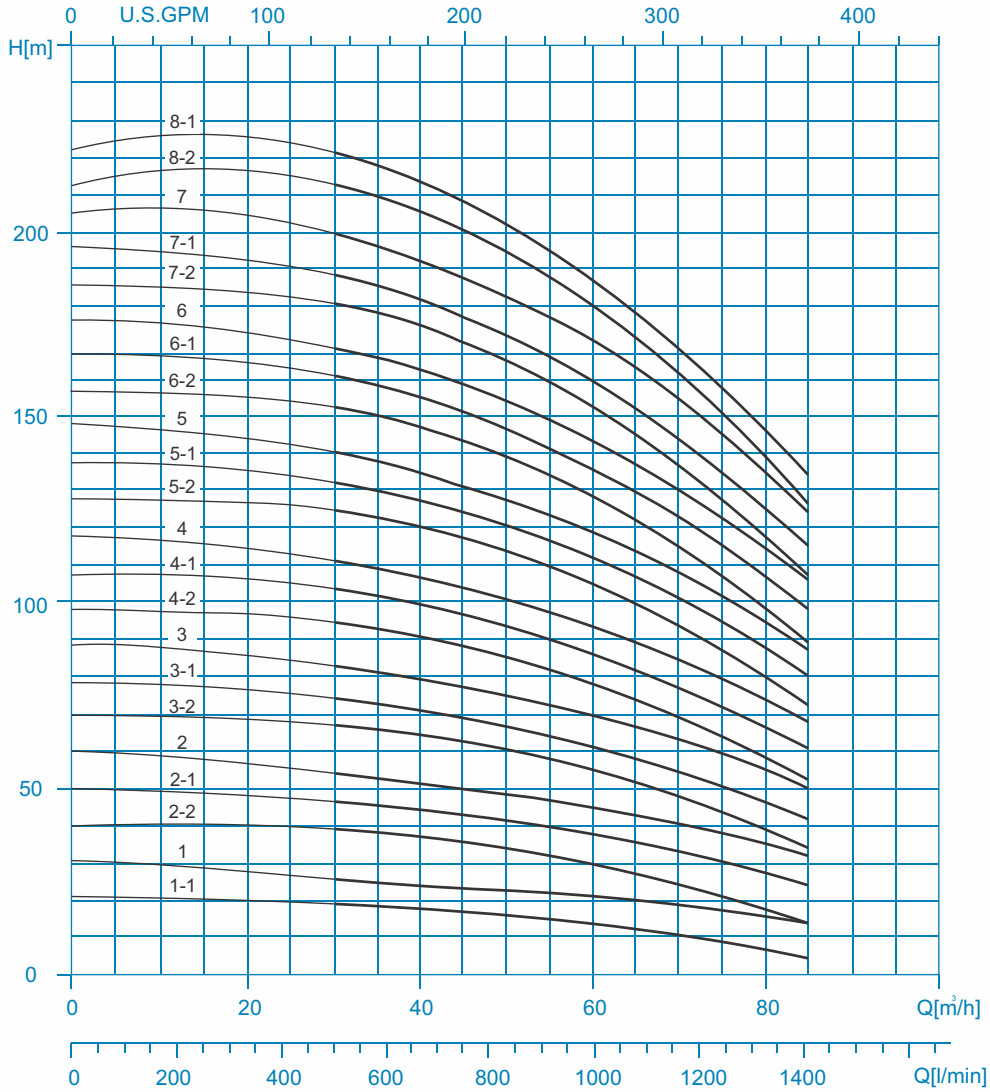
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1~[v/Hz]):	220-240 V, 50 Hz
Main Connection (3~[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50°C

Pump type	Motor		Pump Flanges (mm)	PCR					
	P [kW]	rpm		Dimension(mm)			Net weight (kg)		
				DIN flange	D1	D2	D3	DIN flange	
PCR 45-1-1	3	2900	80	H1	H2				
PCR 45-1	4			561	877	197	147	280	91.7
PCR 45-2-2	5.5			561	884	220	161	280	95.1
PCR 45-2	7.5			641	1003	235	197	300	118.3
PCR 45-3-2	11			641	1039	235	197	300	124.6
PCR 45-3	11			831	1336	318	197	350	169.0
PCR 45-4-2	15			831	1336	318	245	350	169.0
PCR 45-4	15			911	1421	318	245	350	182.9
PCR 45-5-2	18.5			911	1421	318	245	350	182.9
PCR 45-5	18.5			991	1541	318	245	350	211.6
PCR 45-6-2	22			991	1541	318	245	350	211.6
PCR 45-6	22			1071	1651	358	245	350	258.1
PCR 45-7-2	30			1071	1651	358	265	350	258.1
PCR 45-7	30			1151	1811	420	265	400	326.4
PCR 45-8-2	30			1151	1811	420	295	400	326.5
PCR 45-8	30			1231	1891	420	295	400	330.2
PCR 45-9-2	30			1231	1891	420	295	400	331.3
PCR 45-9	37			1311	1971	420	295	400	334.0
PCR 45-10-2	37			1311	1971	420	295	400	347.0
PCR 45-10	37			1391	2051	420	295	400	350.7
PCR 45-11-2	45			1391	2051	420	295	400	350.7
PCR 45-11	45			1471	2161	470	325	450	412.5
PCR 45-12-2	45			1471	2161	470	325	450	412.5
PCR 45-12	45			1551	2241	470	325	450	416.2
PCR 45-13-2	45	1551	2241	470	325	450	416.2		
		1631	2321	470	325	450	419.9		

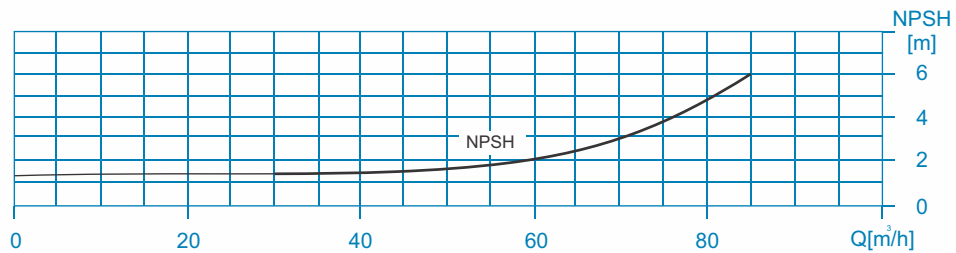
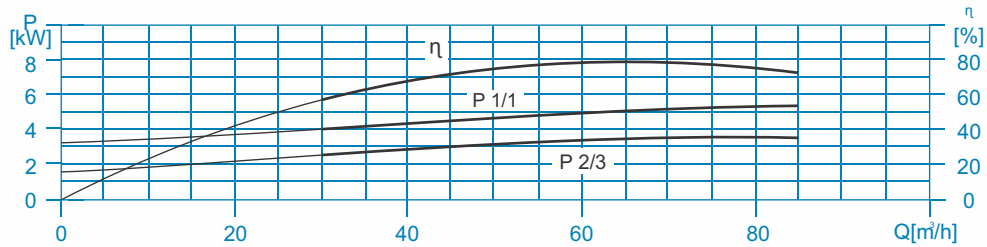


# PUMPIRAN

Vertical Multistage Centrifugal in - line Pump PCR 64



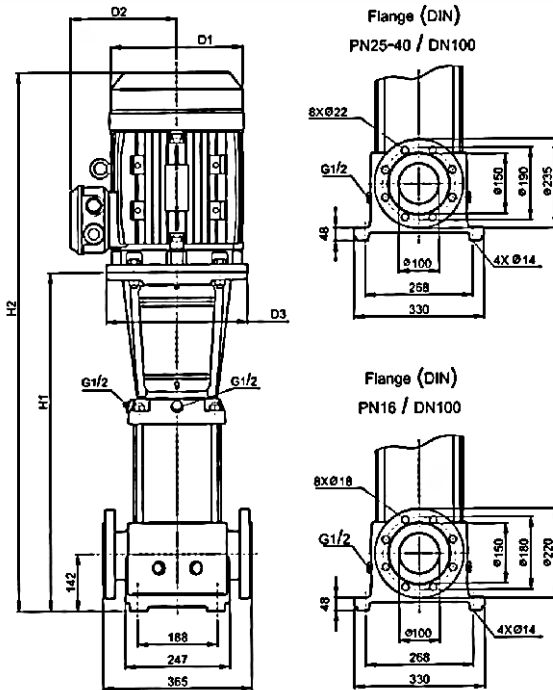
ISO 9906:2012 Grade 3B





## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 64



### General Specification

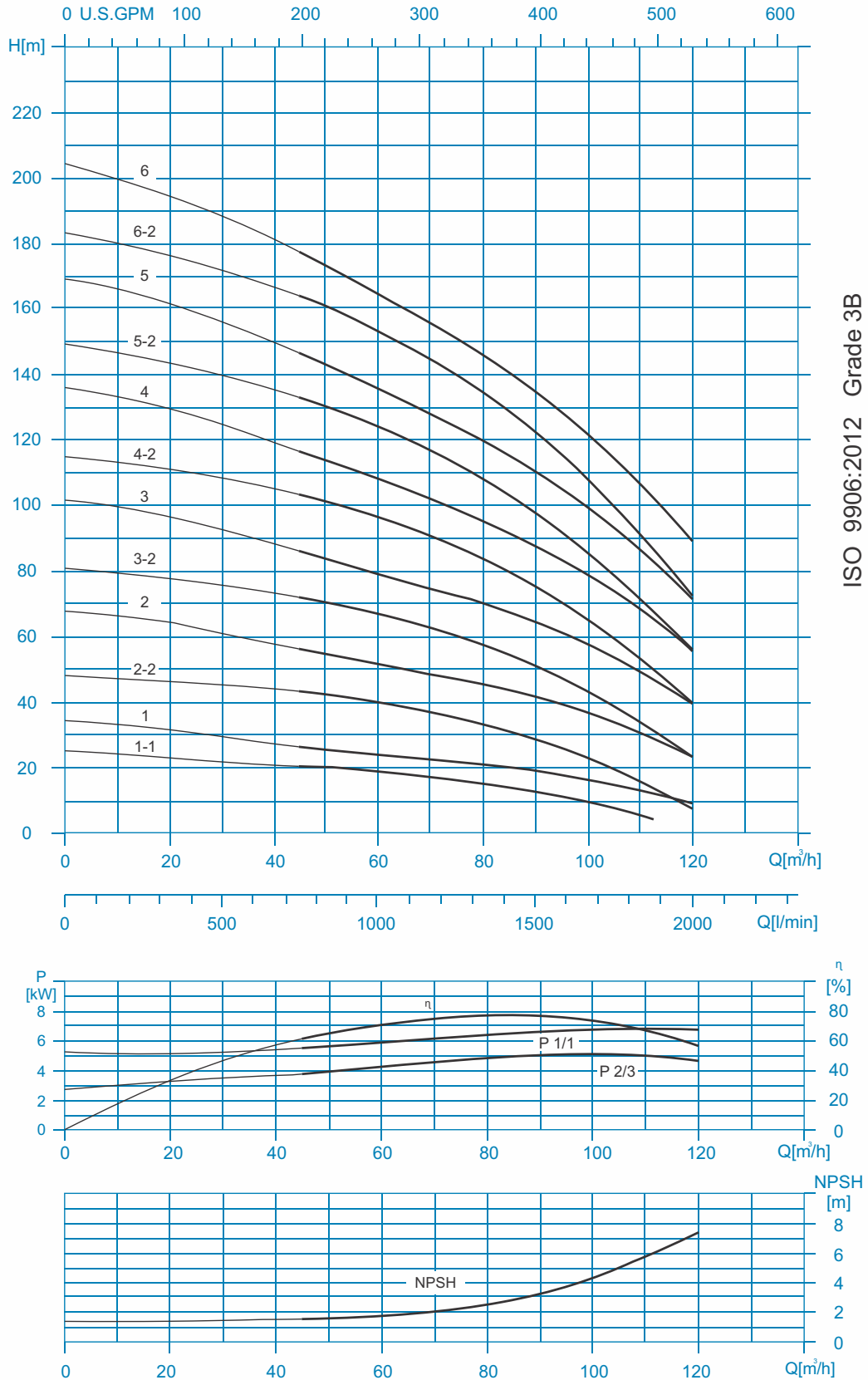
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1-[v/Hz]):	220-240 V, 50 Hz
Main Connection (3-[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50°C

Pump type	Motor		Pump Flanges (mm)	PCR					Net weight (kg)
	P [kW]	rpm		Dimension(mm)			DIN flange		
				H1	H2	D1		D2	D3
PCR 64-1-1	4	2900	100	563	889	220	161	280	88.9
PCR 64-1	5.5			563	613	235	197	300	108.3
PCR 64-2-2	7.5			646	702	235	197	300	118.7
PCR 64-2-1	11			756	1261	318	245	350	159.3
PCR 64-2	11			756	1261	318	245	350	159.3
PCR 64-3-2	15			838	1348	318	245	350	174.0
PCR 64-3-1	15			838	1348	318	245	350	174.0
PCR 64-3	18.5			838	1388	318	245	350	198.9
PCR 64-4-2	18.5			921	1471	318	245	350	202.9
PCR 64-4-1	22			921	1501	358	265	350	245.7
PCR 64-4	22			921	1501	358	265	350	245.7
PCR 64-5-2	30			1003	1663	420	295	400	314.3
PCR 64-5-1	30			1003	1663	420	295	400	314.3
PCR 64-5	30			1003	1663	420	295	400	314.3
PCR 64-6-2	30			1086	1746	420	295	400	318.2
PCR 64-6-1	37			1086	1746	420	295	400	331.2
PCR 64-6	37			1086	1746	420	295	400	331.2
PCR 64-7-2	37			1168	1828	420	295	400	335.3
PCR 64-7-1	37			1168	1828	420	295	400	335.3
PCR 64-7	45			1172	1862	470	325	450	393.4
PCR 64-8-2	45	1255	1945	470	325	450	397.5		
PCR 64-8-1	45	1255	1945	470	325	450	397.5		



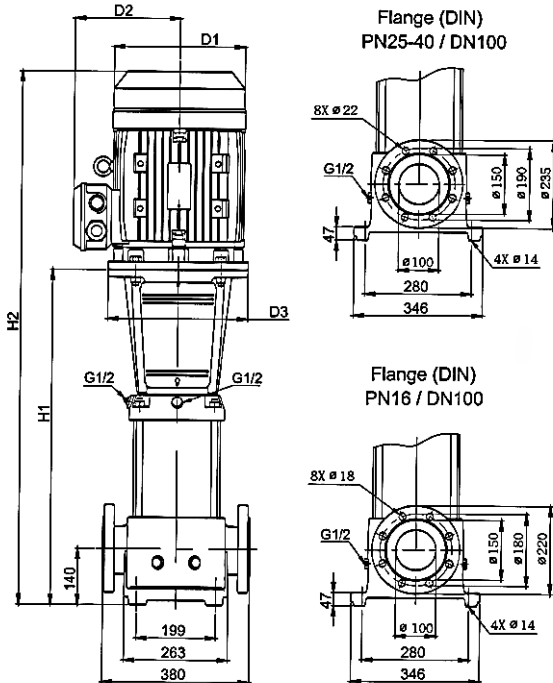
# PUMPIRAN

Vertical Multistage Centrifugal in - line Pump PCR 90



## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 90



### General Specification

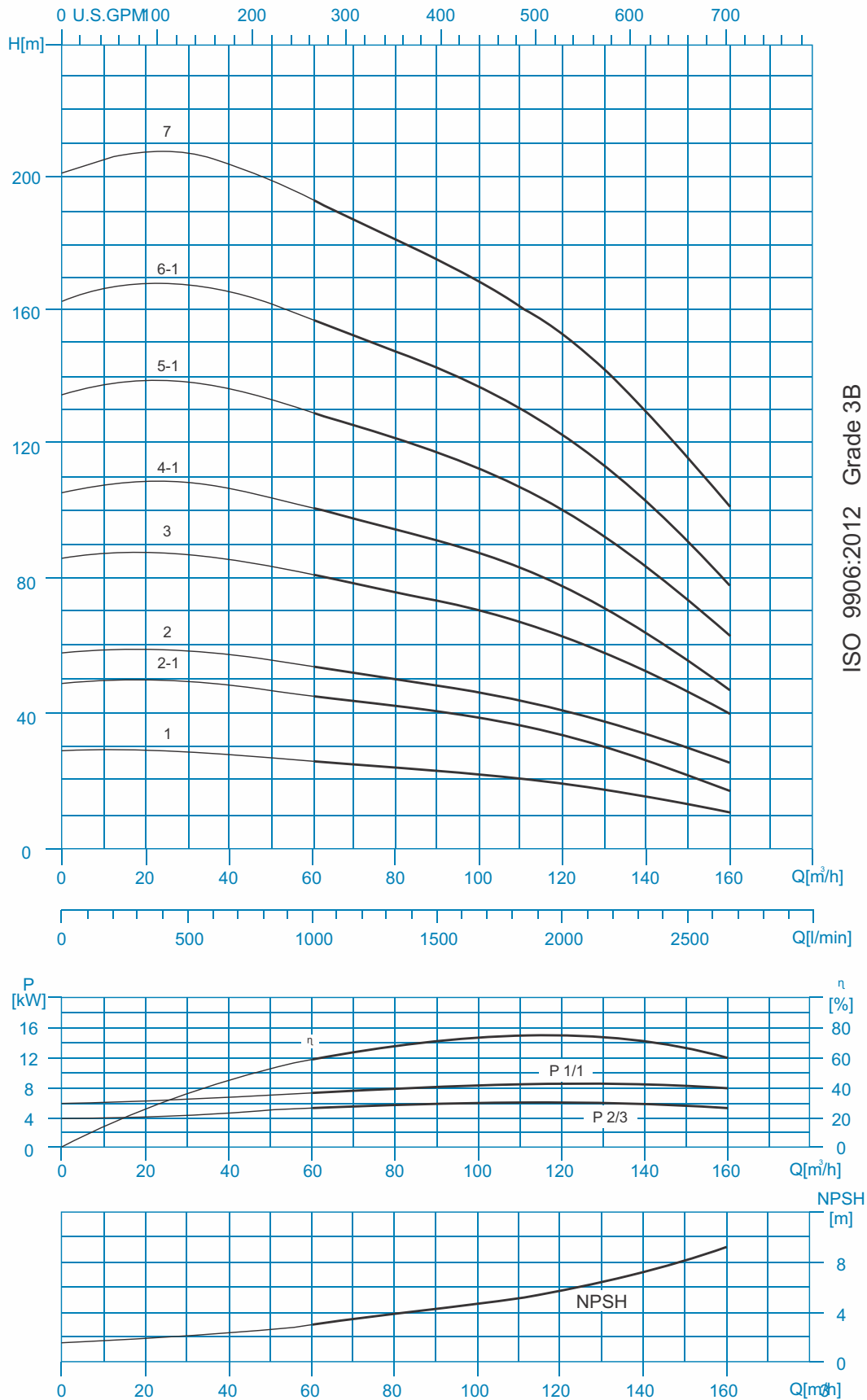
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1~[v/Hz]):	220-240 V, 50 Hz
Main Connection (3~[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50 <sup>°</sup> c

Pump type	Motor		Pump Flanges (mm)	PCR					Net weight (kg)
	P [kW]	rpm		Dimension(mm)			DIN flange		
				H1	H2	D1		D2	D3
PCR 90-1-1	5.5	2900	100	572	934	235	197	300	122.2
PCR 90-1	7.5			572	970	235	197	300	128.5
PCR 90-2-2	11			774	1379	318	245	350	175.5
PCR 90-2	15			774	1284	318	245	350	184.5
PCR 90-3-2	18.5			866	1416	318	245	350	214.7
PCR 90-3	22			866	1446	358	265	350	257.5
PCR 90-4-2	30			958	1418	420	295	400	327.3
PCR 90-4	30			958	1418	420	295	400	327.3
PCR 90-5-2	37			1050	1710	420	295	400	346.9
PCR 90-5	37			1050	1710	420	295	400	346.9
PCR 90-6-2	45			1142	1832	470	325	450	410.2
PCR 90-6	45			1142	1832	470	325	450	410.2



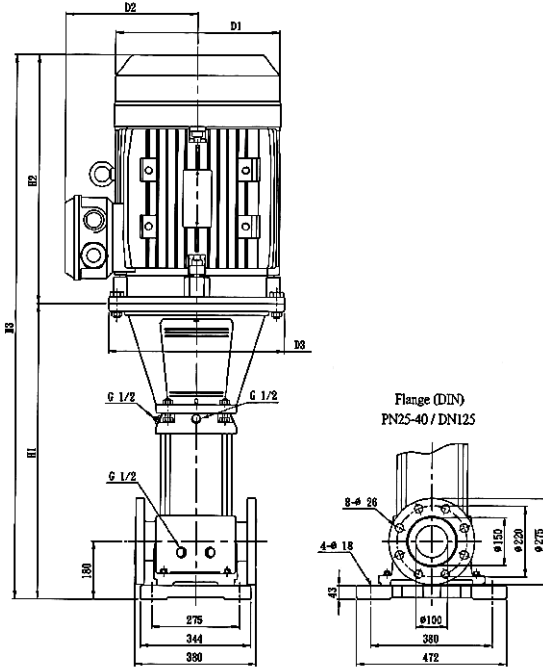
# PUMPIRAN

Vertical Multistage Centrifugal in - line Pump PCR 120



## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 120



#### General Specification

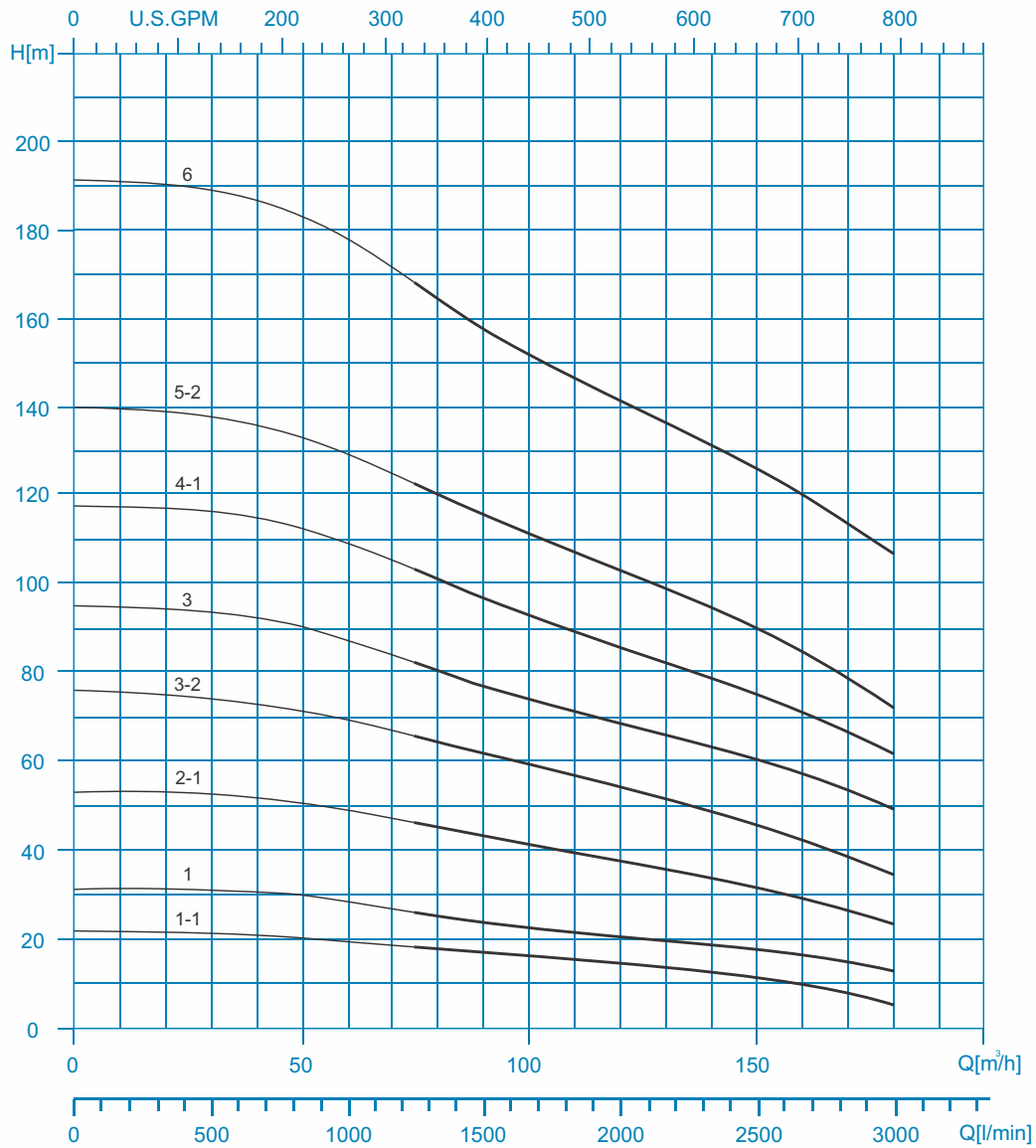
Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1-[v/Hz]):	220-240 V, 50 Hz
Main Connection (3-[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50°C

Pump type	Motor		Pump Flanges (mm)	PCR							
	P [kW]	rpm		Dimension(mm)						Net weight (kg)	
				DIN flange			D1	D2	D3		DIN flange
				H1	H2	H3					
PCR 120-1-1	11	2900	125	834	505	1339	318	245	350	200.1	
PCR 120-2-1	18.5			990	550	1540	318	245	350	245.1	
PCR 120-2	22			990	580	1570	358	265	350	291.8	
PCR 120-3	30			1145	660	1805	420	295	400	362.5	
PCR 120-4-1	37			1301	660	1961	420	295	400	385.5	
PCR 120-5-1	45			1460	690	2150	470	325	450	453.6	
PCR 120-6-1	55			1642	770	2412	510	355	550	578.8	
PCR 120-7	75			1797	846	2642	580	410	550	751.4	

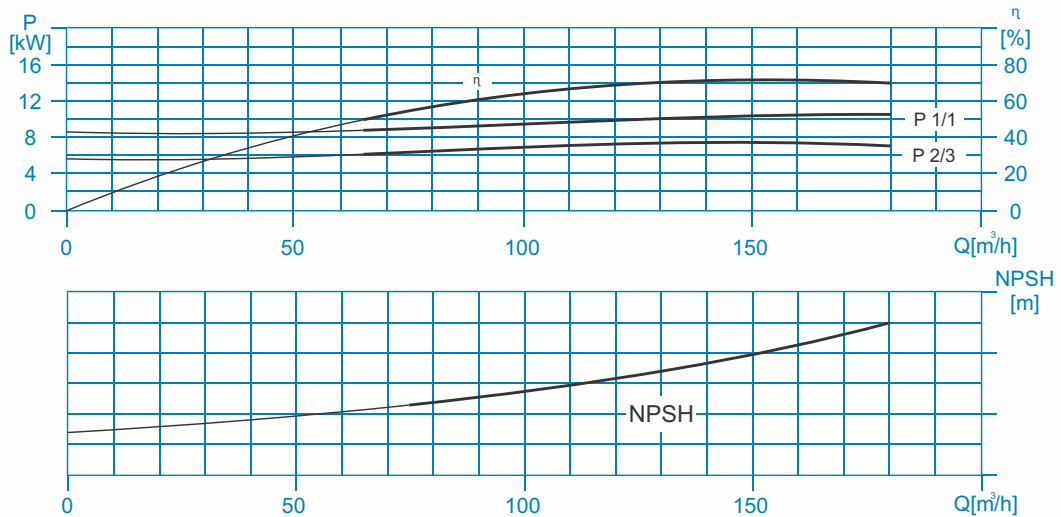


# PUMPIRAN

Vertical Multistage Centrifugal in - line Pump PCR 150

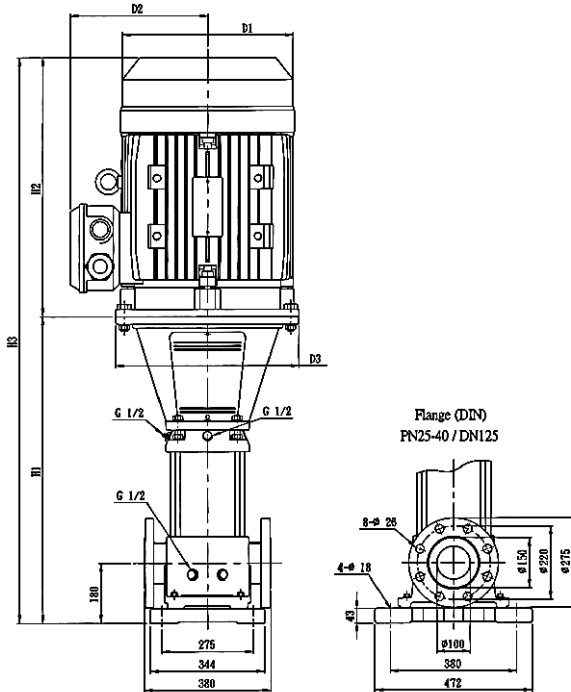


ISO 9906:2012 Grade 3B



## Vertical Multistage Centrifugal in - line Pump

### Dimensions and weights - PCR 150



### General Specification

Output size:	25 to 125 mm
Capacity:	0.7-180 m <sup>3</sup> /hr
Head:	275 m
Operation Temperature:	-15 to +120
Main Connection (1~[v/Hz]):	220-240 V, 50 Hz
Main Connection (3~[v/Hz]):	380-415 V, 50 Hz
Insulation Class:	F
Enclosure Class:	IP 55
Ambient Temperature:	50 <sup>o</sup> C

Pump type	Motor		Pump Flanges (mm)	PCR							
	P [kW]	rpm		Dimension(mm)						Net weight (kg)	
				DIN flange			D1	D2	D3		DIN flange
				H1	H2	H3					
PCR 150-1-1	11	2900	125	834	505	1339	318	245	350	200.0	
PCR 150-1	15			834	510	1344	318	245	350	210.1	
PCR 150-2-1	22			990	580	1570	358	265	350	287.8	
PCR 150-3-2	30			1145	660	1805	420	295	400	362.3	
PCR 150-3	37			1145	660	1805	420	295	400	375.4	
PCR 150-4-1	45			1305	690	1995	470	325	450	443.4	
PCR 150-5-2	55			1486	770	2256	510	355	550	568.7	
PCR 150-6	75			1642	845	2487	580	410	550	741.0	