

NOCCHI FREQUENCY CHANGER PRESSURE BOOSTERS WITH VARIABLE SPEED

SILENT, CONSTANT PRESSURE, PIPING IN AISI 304, QUALITY FREQUENCY CONVERTER

They are booster set for the automatic pressurization of water distribution networks with three-phase power supply, controlled by a variable speed transducer.

The speed of the first pump that starts is controlled by the inverter associated to an electronic board by means of a pressure transducer so as to keep the output pressure of the unit constant regardless of the quantity of water collected (within the capacity limit of the first pump).

When the quantity of water collected exceeds the capacity of the first pump, the second pump will start at a fixed speed, while the first one will continue to be modulated by the inverter. When the water is no longer collected, the pump controlled by the inverter will operate at a greater speed for a settable time to allow for the accumulation of a certain quantity of water under pressure which will prolong the pause period of the pump.



USAGE DATA	PVM 5		PVM 10			PVM 15			PVM 20			PVM 32		
	FCD20	FCD 20	FCD 30	FCD 40	FC. 20	FC. 30	FC. 40	FC. 20	FC. 30	FC. 40	FC. 20	FC. 30	FC. 40	
Maximum capacity (m³/h)	16.8	26	39	52	47	60.5	94	57.6	20	115.2	59.2	118.8	158.4	
Maximum head (m.c.a.)	164		160			166			146			117		
Maximum operating pressure								16 bar						
Power supply VOLT.:								3-400 V						
Start direct pumps								Direct up t 7.5 kW - Start-Delta above 7.5 kW						
Operating frequency								25 - 50 Hz						
Ambient temperature								40°C						
Degree of protection of pump								IP55						
Degree of protection of electrical panel								IP54						

SPECIFICATIONS

PUMP

PVM:

- Centrifugal, multicellular, vertical axis

BASE

- Profile in galvanized steel

SUCTION MANIFOLD

In stainless steel AISI 304 with:

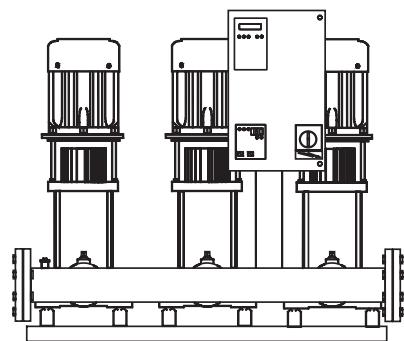
- n. 1 sleeve for water load
- n. 1 brass ball valve *
- n. 1 check valve *

DELIVERY MANIFOLD

In stainless steel AISI 304 with:

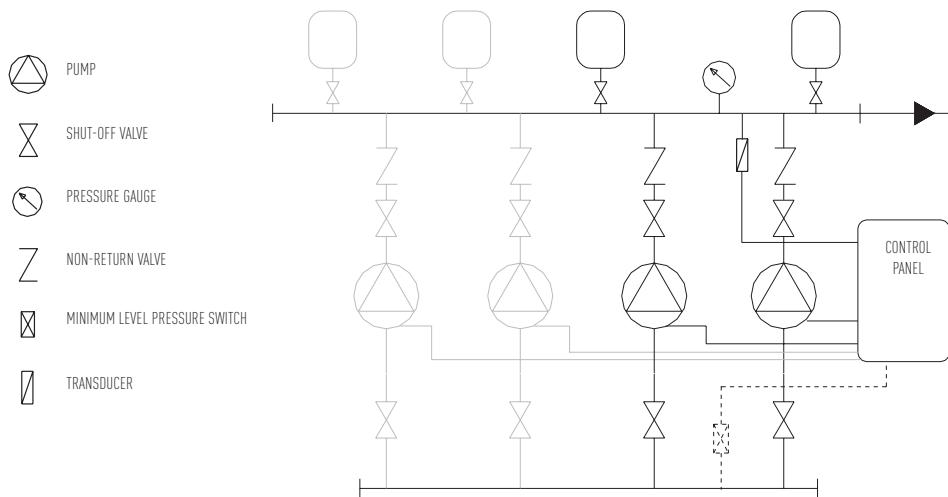
- n. 1 pressure gauge
- n. 1 pressure transducer 0-5Volt - 0-10 Bar
- n. 1 brass ball valve *

* components for each pump installed



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INSTALLATION DIAGRAM



CONTROL PANEL - ELECTR. PILOT



ELECTRICAL PANEL

- Box in metal IP54
- Main switch
- Keyboard with electronic board SA
- Fuses, contactor and thermal relay for each pump
- Transformer with fuses for the auxiliary circuit
- M-O-T switch for each pump
- Star-delta starter for motors above 7.5 kW

ACCESSORIES

Frequency changer accessories available on request

	FCD
	FCY
Float switch for protection against dry running	X
Differential pressure switch for exclusion in case of lack of network pressure	X
Electrodes for electronic level control	X
Membrane autoclaves	X

MAIN FUNCTIONS

- Cyclic inversion of the start-up order of the pumps after each cycle end.
- Timer, adjustable from 0 to 255 seconds, for the operation of the pumps after the opening of the contact of the pressure switch or when the operating pressure has been reached.
- ON/OFF control of the level of the tank or the pressure of the supply duct by means of a float switch or a different differential pressure switch.
- Sequential control of the start-up of the pumps to prevent them from starting at the same time.

SIGNALS AND CONTROLS

- Liquid crystal display to indicate the operating parameters and to enter the configuration and calibration values.
- LED indicating the presence of power.
- LED indicating the low water level in the tank or an insufficient pressure in the supply duct (aqueduct).
- LED indicating that the thermal relays has tripped because of an overload.
- LED indicating manual or automatic operation.
- LED indicating the operation of each pump.
- Buttons to select manual or automatic control.
- Start - stop button for each pump when manual operation has been selected
- Button to enter the configuration parameters

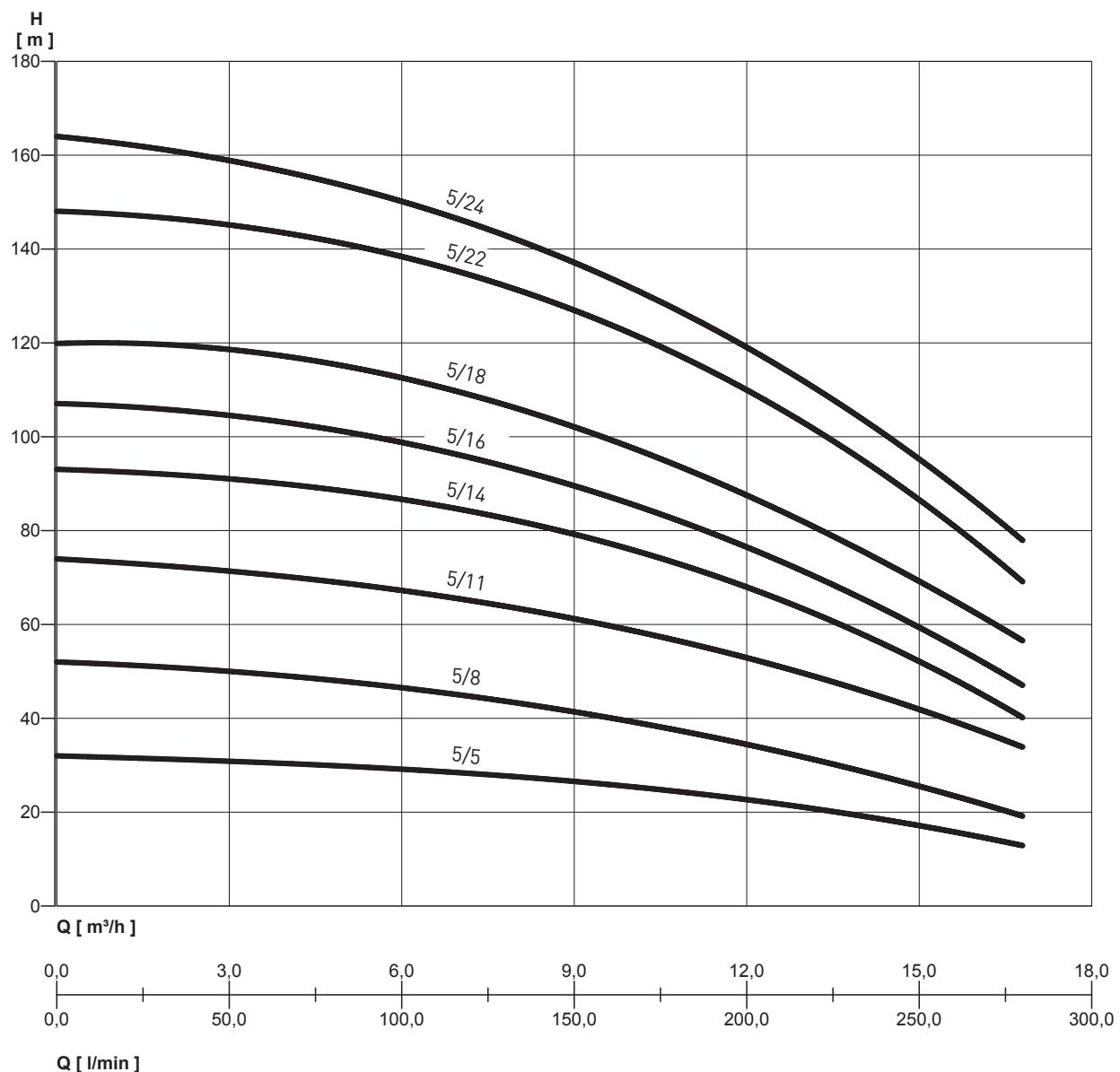
EXTRENL CONTROL DEVICES

- ON/OFF float switch, located in the water collection tank, or
- 3 electrodes for the electronic control of the level of the tank
- A reverse pressure switch inserted in the water supply duct (aqueduct)

NOCCHI FCD20 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

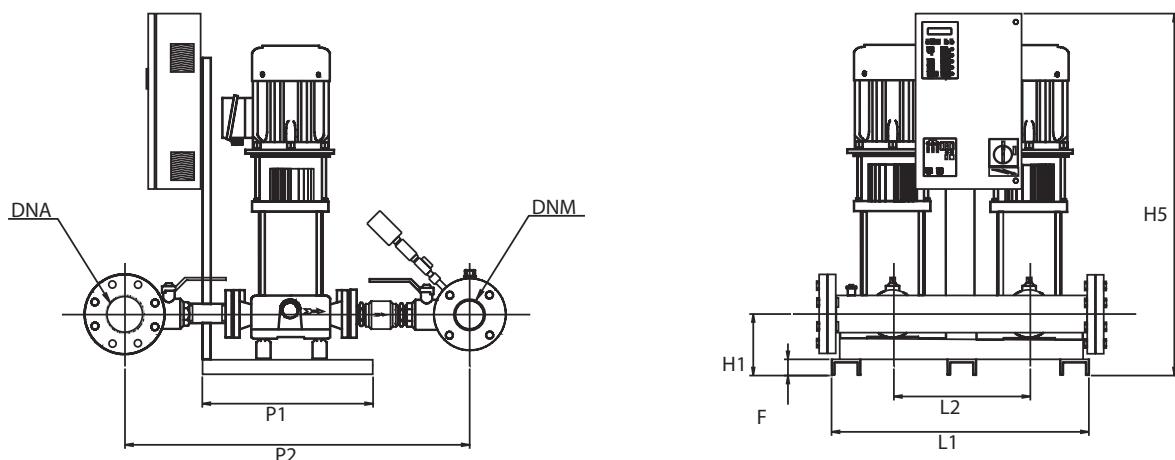


NOCCHI FCD20 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	I/min	0	80	120	160	200	240	280
	kW		m ³ / h	0	4.8	7.2	9.6	12	14.4	16.8
FCD20 PVM 5-5 F	2x0.75	3 ~ 400	m.c.a. / m.c.w.	32	30	28	26	23	18	13
FCD20 PVM 5-8 F	2x1.1			52	48	45	40	34	28	19
FCD20 PVM 5-11 F	2x2.2			74	69	65	60	53	44	34
FCD20 PVM 5-14 F	2x2.2			93	89	84	77	68	56	40
FCD20 PVM 5-16 F	2x2.2			107	102	95	87	77	63	47
FCD20 PVM 5-18 F	2x3			120	115	109	100	88	72	57
FCD20 PVM 5-22 F	2x4			148	142	134	124	110	92	69
FCD20 PVM 5-24 F	2x4			164	154	146	133	120	100	78



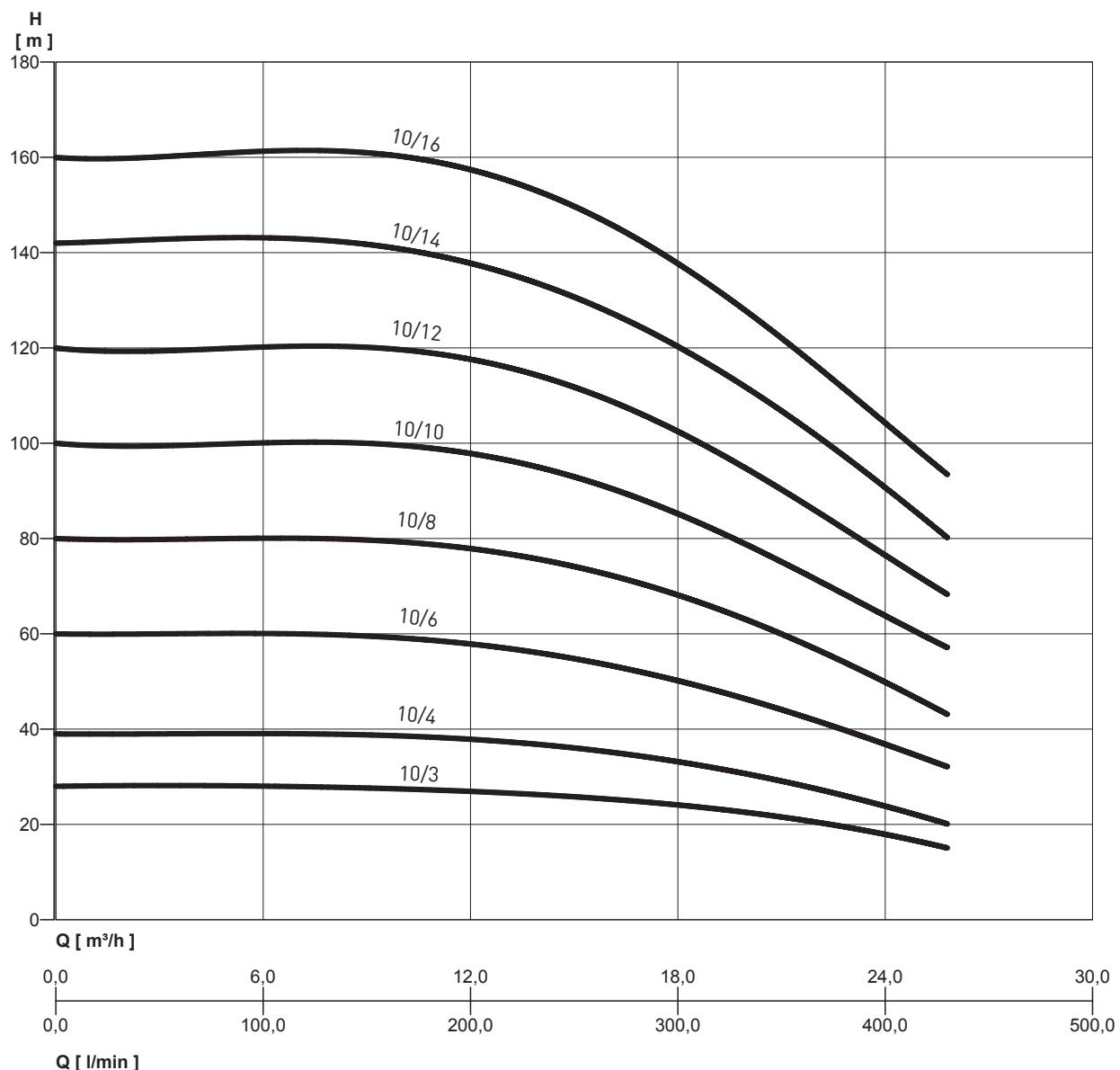
OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									WEIGHTS (Kg)
	L1	P1	P2	H1	H5	DNA	DNM	F	L2	
FCD20 PVM 5-5 F	680	500	620	150	1270	2"	2"	45	370	164
FCD20 PVM 5-8 F	680	500	620	150	1270	2"	2"	45	370	179
FCD20 PVM 5-11 F	680	500	620	150	1270	2"	2"	45	370	200
FCD20 PVM 5-14 F	680	500	620	150	1270	2"	2"	45	370	209
FCD20 PVM 5-16 F	680	500	620	150	1270	2"	2"	45	370	212
FCD20 PVM 5-18 F	680	500	620	150	1270	2"	2"	45	370	228
FCD20 PVM 5-22 F	680	500	620	150	1270	2"	2"	45	370	238
FCD20 PVM 5-24 F	680	500	620	150	1270	2"	2"	45	370	245

NOCCHI FCD20 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

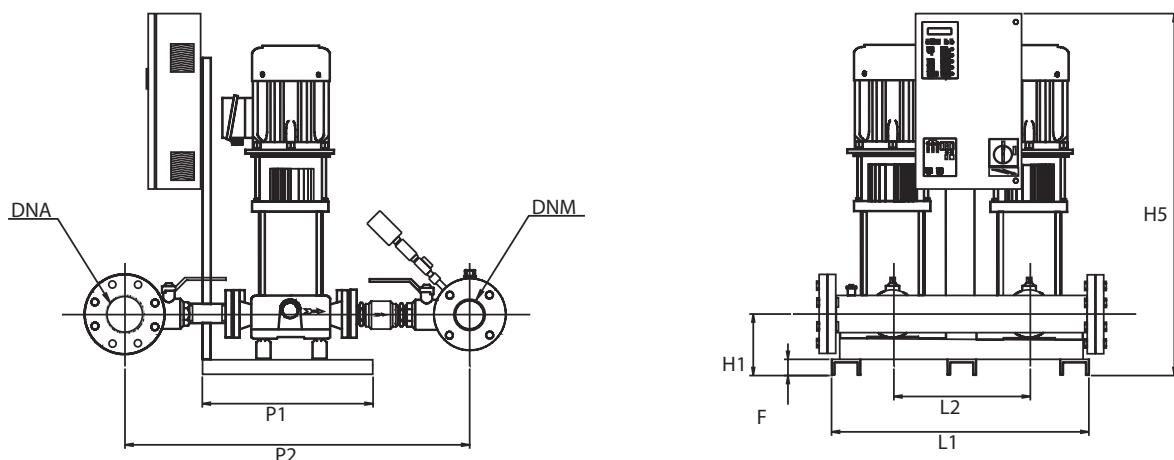


NOCCHI FCD20 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	l/min m ³ / h	0	100	200	300	400	430
	kW			0	6	12	18	24	26
FCD20 PVM 10-3 F	2x1.1	3 ~ 400	m.c.a. / m.c.w.	28	28	27	24	18	15
FCD20 PVM 10-4 F	2x1.5			39	39	38	33	24	20
FCD20 PVM 10-6 F	2x2.2			60	60	58	50	37	32
FCD20 PVM 10-8 F	2x3			80	80	78	68	50	43
FCD20 PVM 10-10 F	2x4			100	100	98	85	64	57
FCD20 PVM 10-12 F	2x4			120	120	118	102	77	68
FCD20 PVM 10-14 F	2x5.5			142	143	138	120	91	80
FCD20 PVM 10-16 F	2x5.5			160	161	158	137	105	93

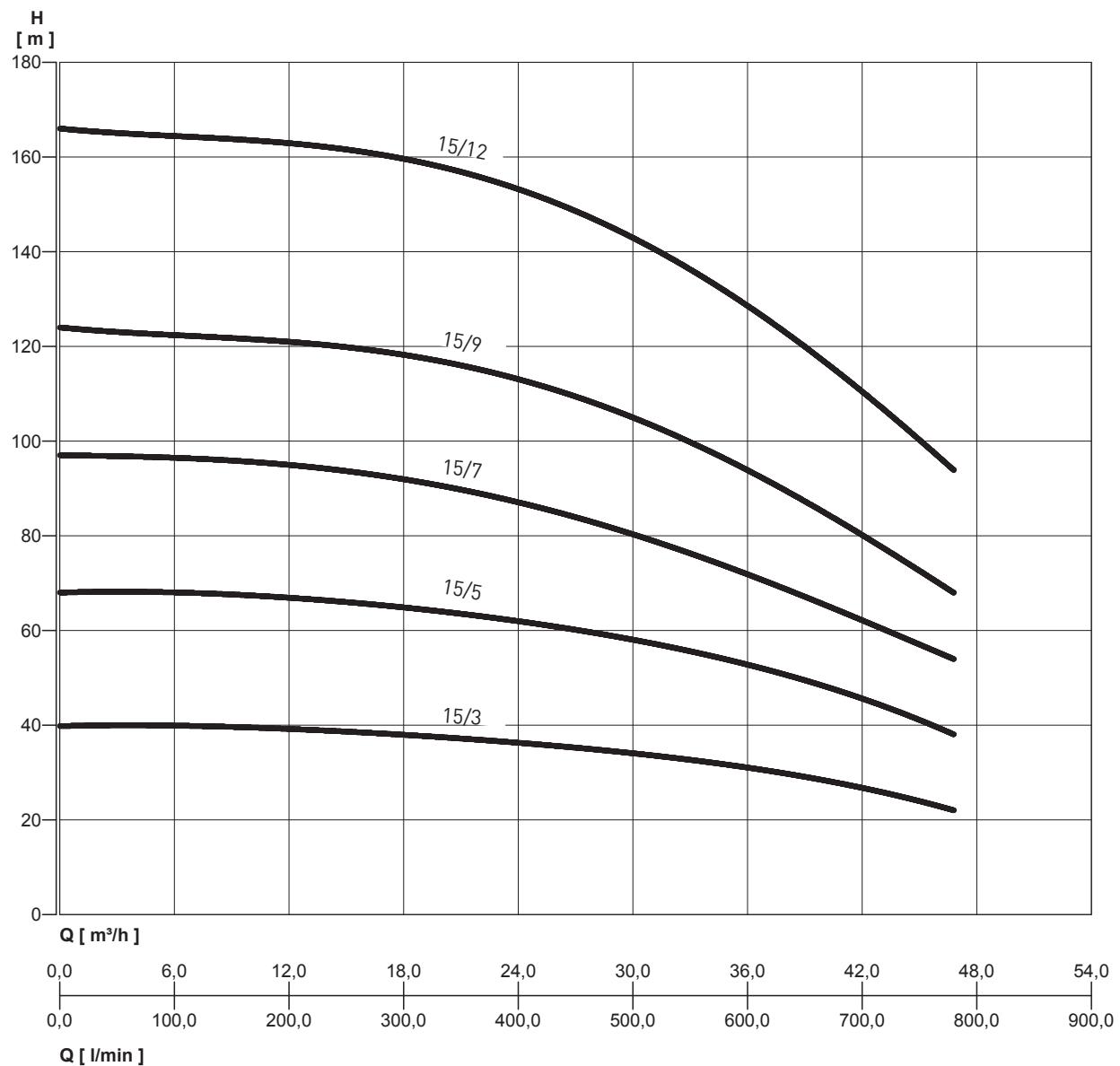


OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.								WEIGHTS (Kg)	
	L1	P1	P2	H1	H5	DNA	DNM	F	L2	
FCD20 PVM 10-3 F	680	500	720	180	1270	2" 1/2	2" 1/2	45	370	208
FCD20 PVM 10-4 F	680	500	720	180	1270	2" 1/2	2" 1/2	45	370	224
FCD20 PVM 10-6 F	680	500	720	180	1270	2" 1/2	2" 1/2	45	370	230
FCD20 PVM 10-8 F	680	500	720	180	1270	2" 1/2	2" 1/2	45	370	246
FCD20 PVM 10-10 F	680	500	720	180	1270	2" 1/2	2" 1/2	45	370	248
FCD20 PVM 10-12 F	680	500	720	180	1270	2" 1/2	2" 1/2	45	370	253
FCD20 PVM 10-14 F	680	500	720	180	1270	2" 1/2	2" 1/2	45	370	273
FCD20 PVM 10-16 F	680	500	720	180	1270	2" 1/2	2" 1/2	45	370	280

NOCCHI FCD20 - FCY20 PVM PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

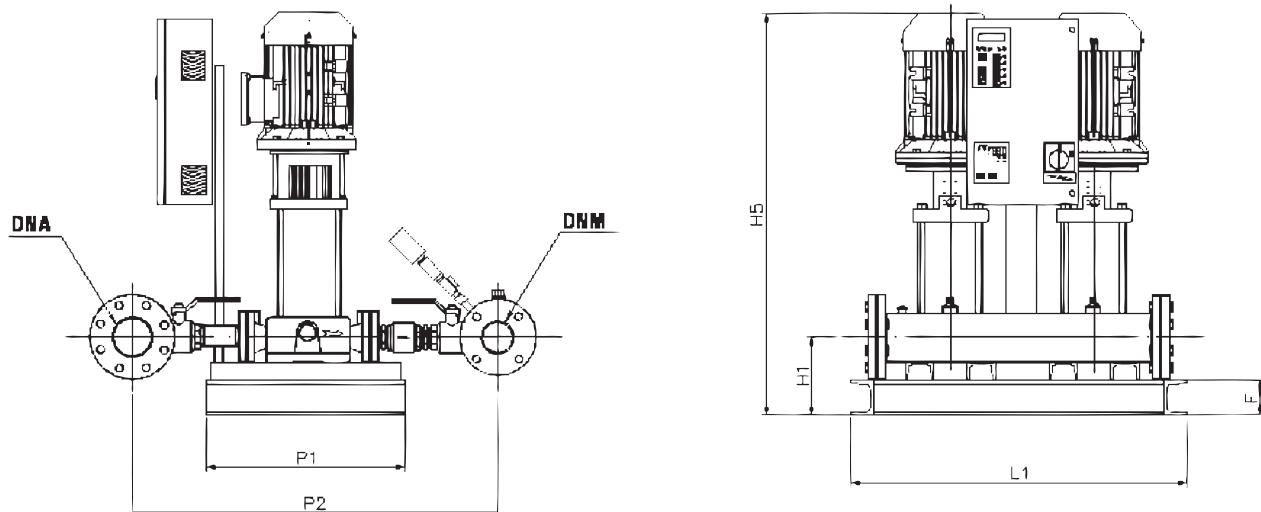


NOCCHI FCD20 - FCY20 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	l/min	0	200	400	600	700	780
	kW			m ³ / h	0	12	24	36	47
FCD20 PVM 15-3 F	2x3	3 ~ 400	m.c.a. / m.c.w.	39.8	39.2	36.3	31	26.8	22
FCD20 PVM 15-5 F	2x4			68	66.9	62	52.7	45.7	38
FCD20 PVM 15-7 F	2x5.5			97	95	87	72	62	54
FCD20 PVM 15-9 F	2x7.5			124	121	113	94	80	68
FCY20 PVM 15-12 F	2x11			166	163	153	129	110	94



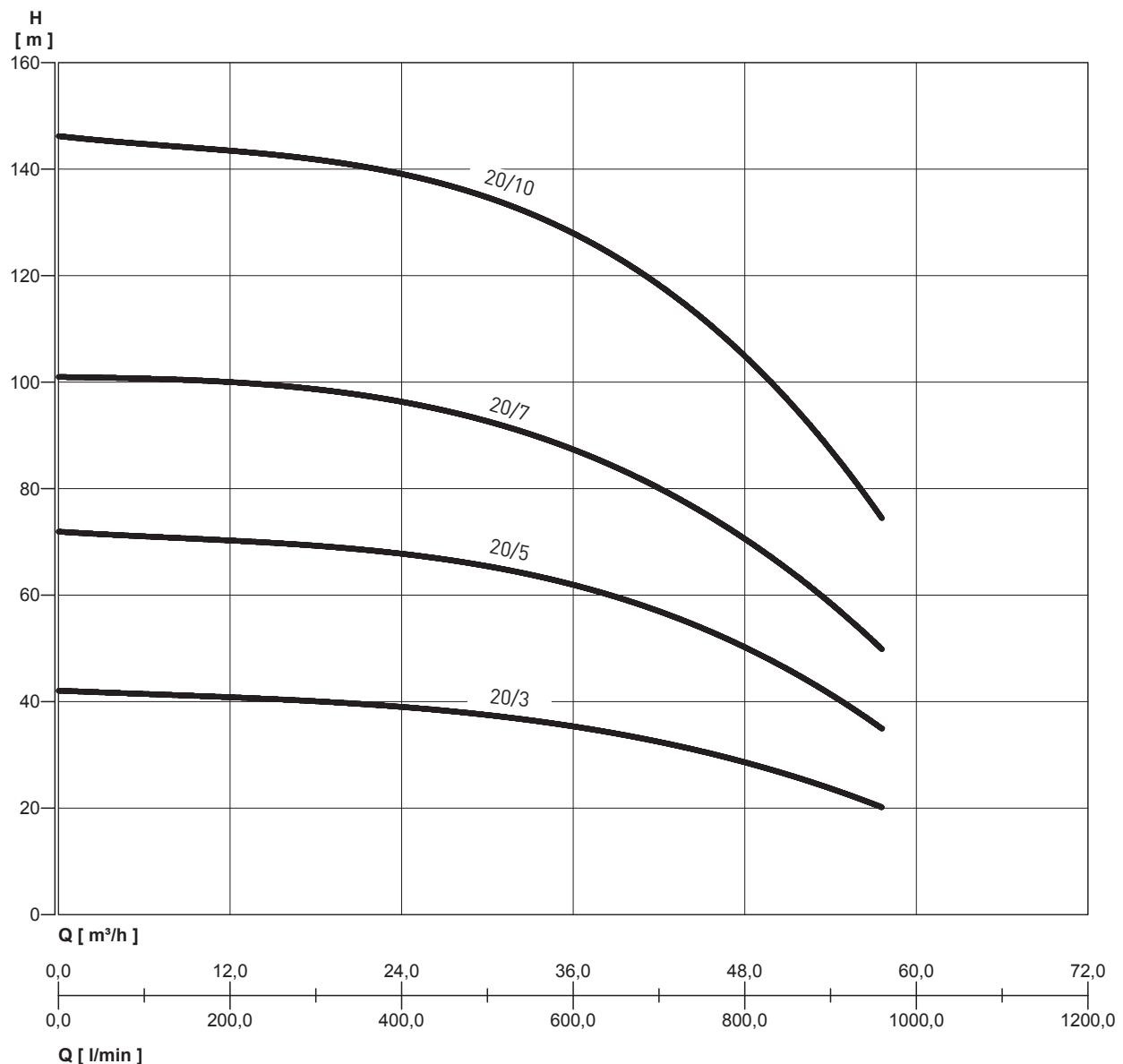
OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.								WEIGHTS (Kg)	
	L1	P1	P2	H1	H5	DNA	DNM	F		
FCD20 PVM 15-3 F	730	610	860	190	1360	3"	2" 1/2	45	370	268
FCD20 PVM 15-5 F	730	610	860	190	1360	3"	2" 1/2	45	370	272
FCD20 PVM 15-7 F	730	610	860	190	1360	3"	2" 1/2	45	370	297
FCD20 PVM 15-9 F	730	610	860	190	1360	3"	2" 1/2	45	370	310
FCY20 PVM 15-12 F	730	610	860	190	1484	3"	2" 1/2	45	370	360

NOCCHI FCD20 - FCY20 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

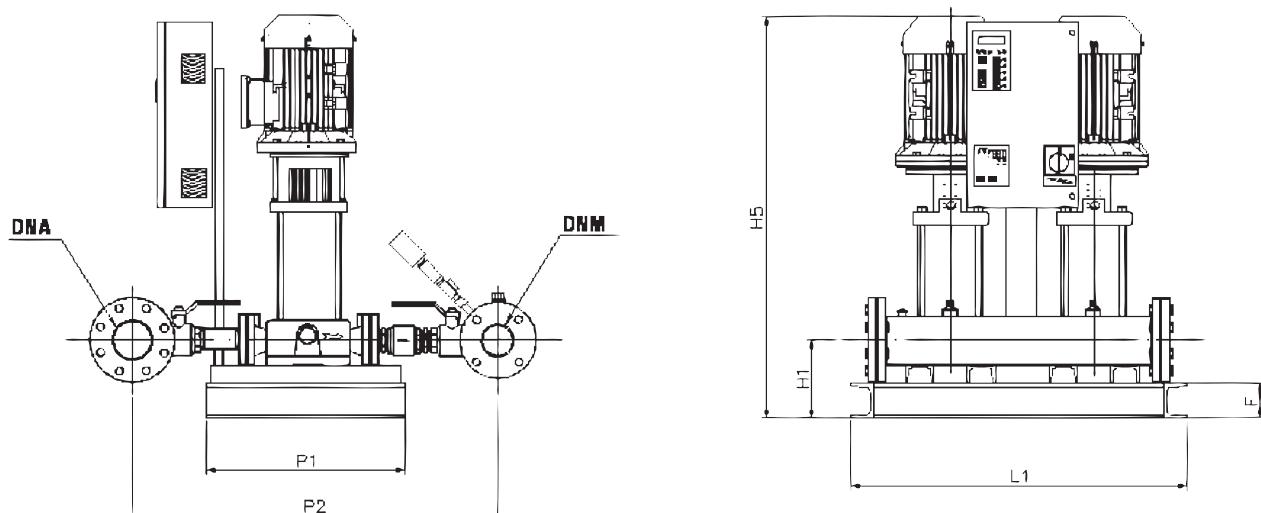


NOCCHI FCD20 - FCY20 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	Q	l/min m³/h	0	200	400	600	800	960
	kW				0	12	24	36	48	57.6
FCD20 PVM 20-3 F	2x4	3 ~ 400	m.c.a. / m.c.w.	42	41	39	35	29	20	
FCD20 PVM 20-5 F	2x5.5			72	70	68	62	50	35	
FCD20 PVM 20-7 F	2x7.5			101	100	96	88	70	50	
FCY20 PVM 20-10 F	2x11			146	144	139	127	106	74	

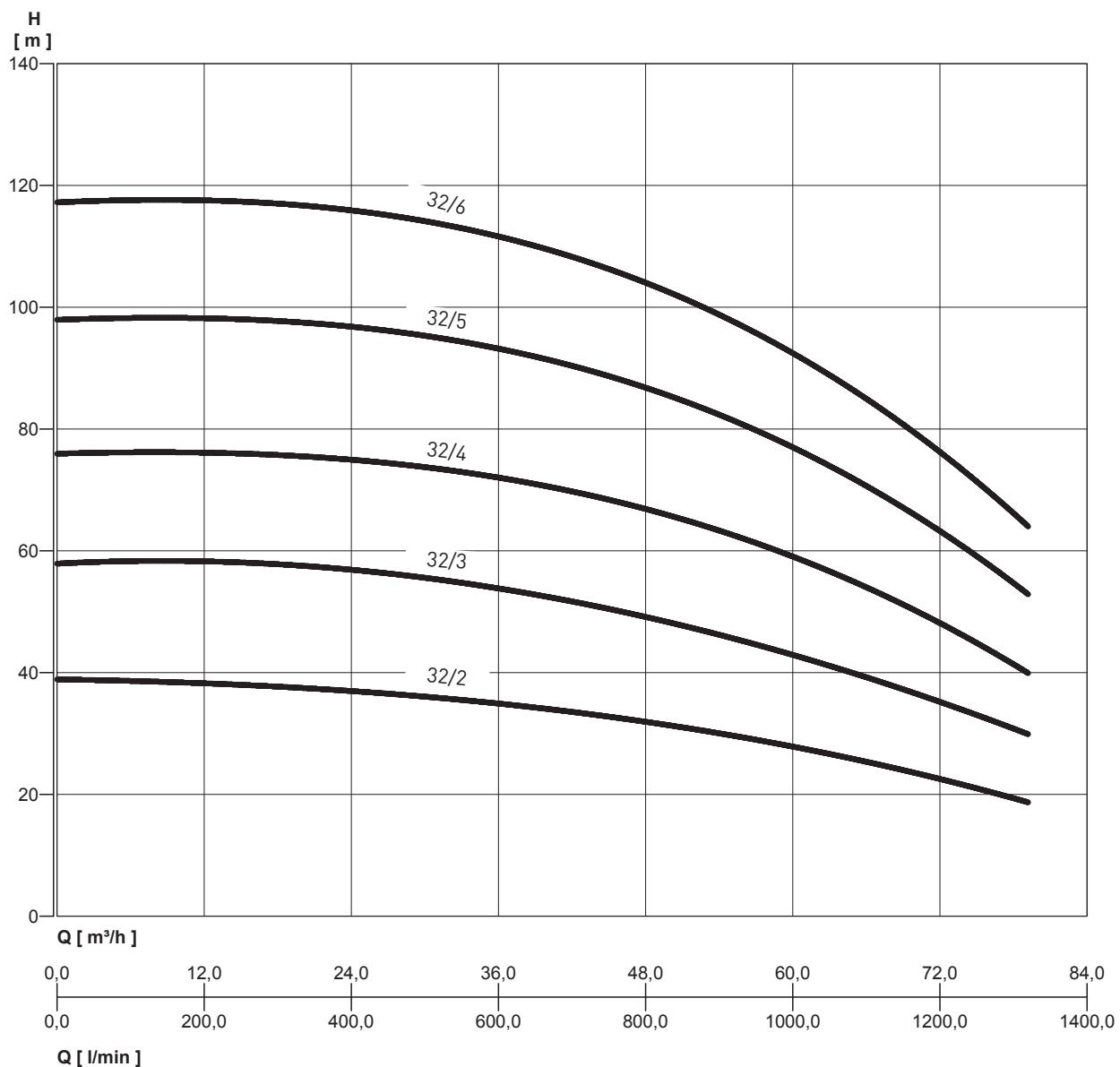


OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.								WEIGHTS (Kg)	
	L1	P1	P2	H1	H5	DNA	DNM	F		
FCD20 PVM 20-3 F	730	610	860	190	1300	2" 1/2	2" 1/2	45	370	274
FCD20 PVM 20-5 F	730	610	860	190	1300	2" 1/2	2" 1/2	45	370	312
FCD20 PVM 20-7 F	730	610	860	190	1300	2" 1/2	2" 1/2	45	370	322
FCY20 PVM 20-10 F	730	610	860	190	1405	2" 1/2	2" 1/2	45	370	355

NOCCHI FCD20 - FCY20 PVM PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

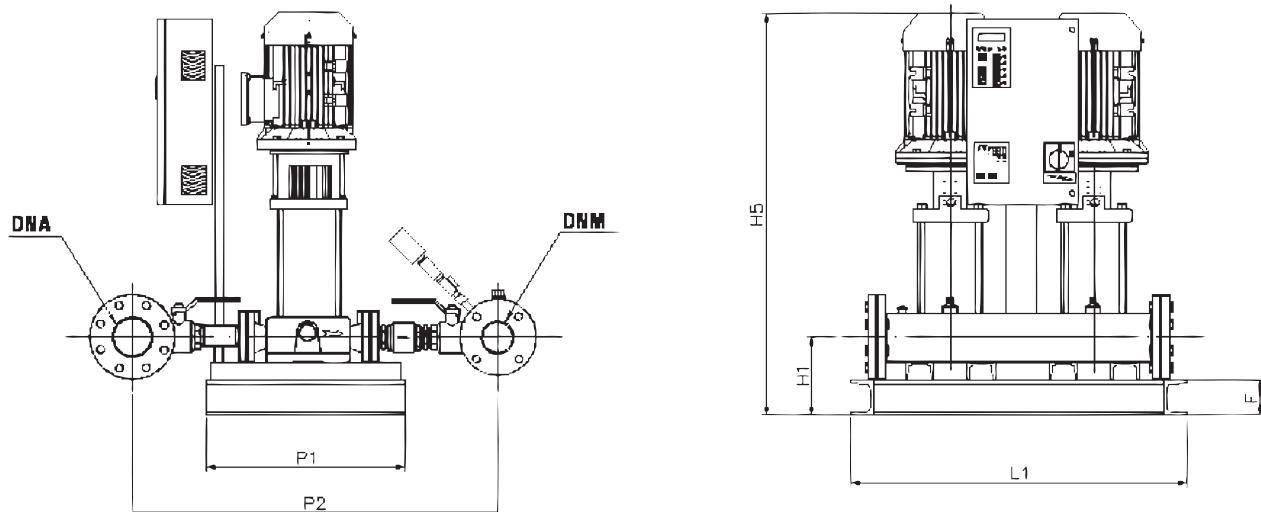


NOCCHI FCD20 - FCY20 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	l/min m³ / h	0	200	400	600	800	1000	1200	1320
	kW			0	12	24	36	48	60	72	79.2
FCD20 PVM 32-2 F	2x4	3 ~ 400	m.c.a./m.c.w.	39	38	37	35	32	28	22	19
FCD20 PVM 32-3 F	2x5.5			58	58	57	54	49	43	35	30
FCD20 PVM 32-4 F	2x7.5			76	76	75	72	67	59	48	40
FCY20 PVM 32-5 F	2x11			98	98	97	93	87	77	63	53
FCY20 PVM 32-6 F	2x11			117	118	116	111	104	93	76	64



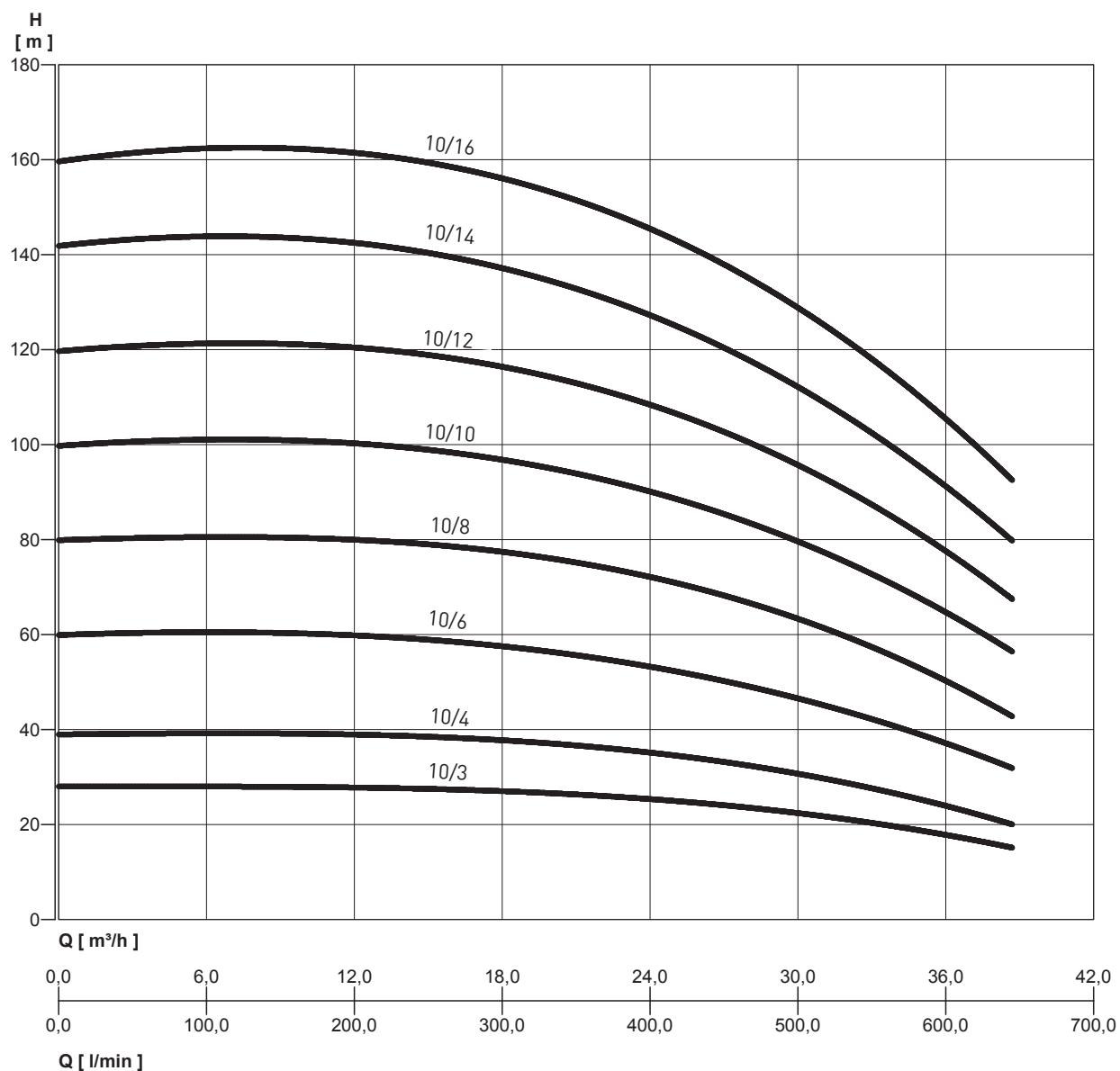
OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									WEIGHTS (Kg)
	L1	P1	P2	H1	H5	DNA	DNM	F	L2	
FCD20 PVM 32-2 F	860	700	1060	230	1420	4"	3"	80	440	420
FCD20 PVM 32-3 F	860	700	1060	230	1420	4"	3"	80	440	434
FCD20 PVM 32-4 F	860	700	1060	230	1420	4"	3"	80	440	460
FCY20 PVM 32-5 F	860	700	1060	230	1420	4"	3"	80	440	534
FCY20 PVM 32-6 F	860	700	1060	230	1469	4"	3"	80	440	570

NOCCHI FCD30 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

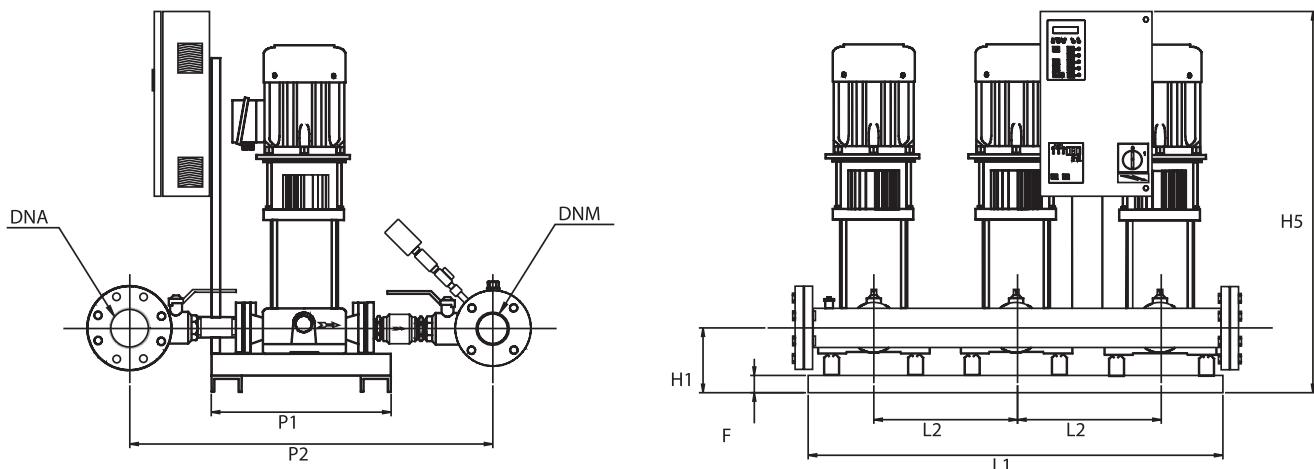


NOCCHI FCD30 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	Q	l/min m³/h	0	150	300	450	600	645
	kW				0	9	18	27	36	39
FCD30 PVM 10-3 F	3x1.1	3 ~ 400	m.c.a./m.c.w		28	28	27	24	18	15
FCD30 PVM 10-4 F	3x1.5				39	39	38	33	24	20
FCD30 PVM 10-6 F	3x2.2				60	60	58	50	37	32
FCD30 PVM 10-8 F	3x3				80	80	78	68	50	43
FCD30 PVM 10-10 F	3x4				100	100	98	85	64	57
FCD30 PVM 10-12 F	3x4				120	120	118	102	77	68
FCD30 PVM 10-14 F	3x5.5				142	143	138	120	91	80
FCD30 PVM 10-16 F	3x5.5				160	161	158	137	105	93



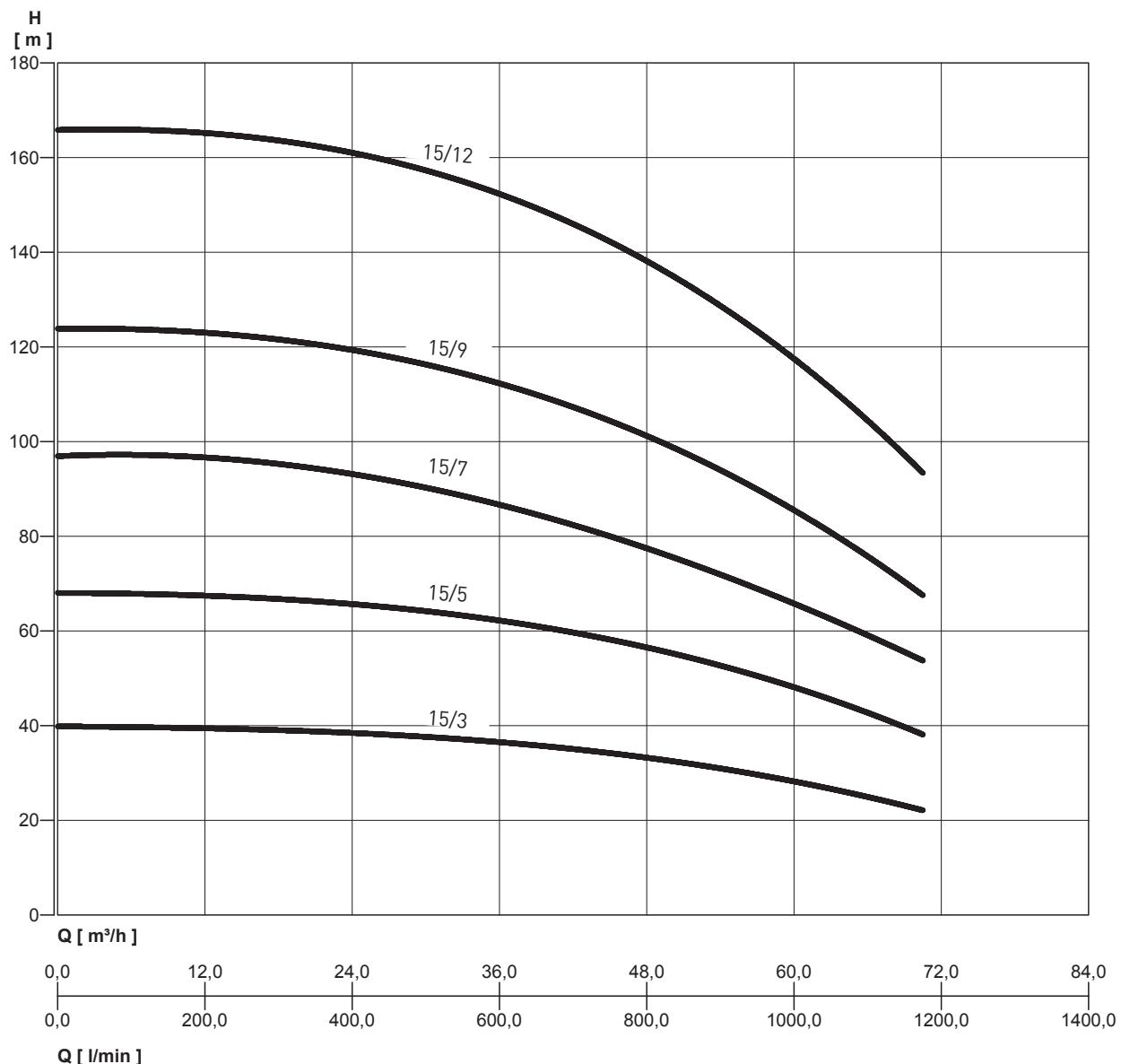
OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									WEIGHTS (Kg)
	L1	P1	P2	H1	H5	DNA	DNM	F	L2	
FCD30 PVM 10-3 F	1100	610	720	180	1400	3"	2" 1/2	45	370	258
FCD30 PVM 10-4 F	1100	610	720	180	1400	3"	2" 1/2	45	370	282
FCD30 PVM 10-6 F	1100	610	720	180	1400	3"	2" 1/2	45	370	291
FCD30 PVM 10-8 F	1100	610	720	180	1400	3"	2" 1/2	45	370	315
FCD30 PVM 10-10 F	1100	610	720	180	1400	3"	2" 1/2	45	370	318
FCD30 PVM 10-12 F	1100	610	720	180	1400	3"	2" 1/2	45	370	324
FCD30 PVM 10-14 F	1100	610	720	180	1400	3"	2" 1/2	45	370	354
FCD30 PVM 10-16 F	1100	610	720	180	1400	3"	2" 1/2	45	370	364

NOCCHI FCD30-FCY30 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

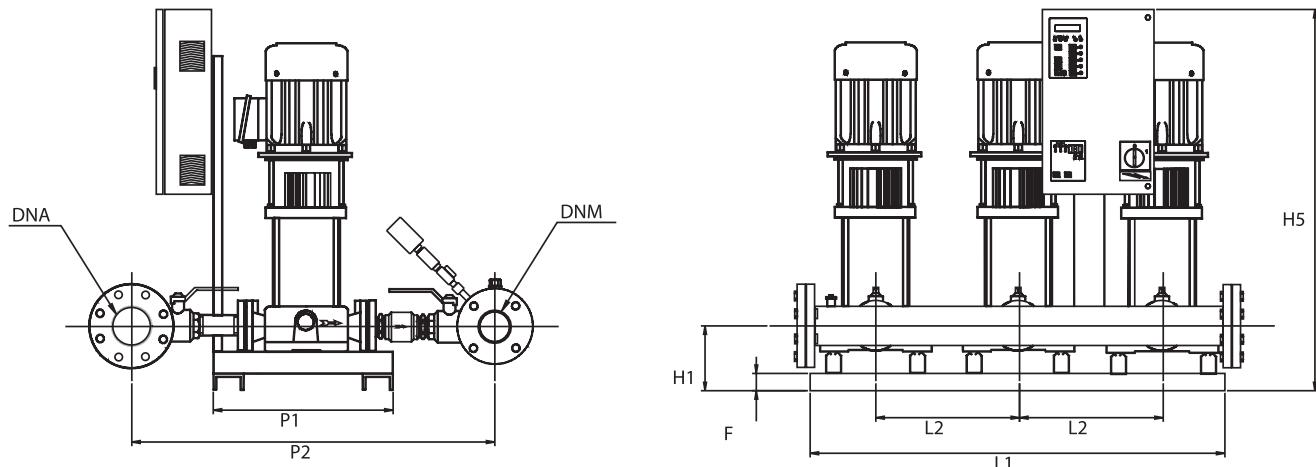


NOCCHI FCD30-FCY30 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	l/min m³ / h	0	300	600	900	1050	1175
	kW			0	18	36	54	63	70.5
FCD30 PVM 15-3 F	3x3	3 ~ 400	m.c.a./m.c.w.	39.8	39.2	36.3	31	26.8	22
FCD30 PVM 15-5 F	3x4			68	66.9	62	52.7	45.7	38
FCD30 PVM 15-7 F	3x5.5			97	95	87	72	62	54
FCD30 PVM 15-9 F	3x7.5			124	121	113	94	80	68
FCY30 PVM 15-12 F	3x11			166	163	153	129	110	94



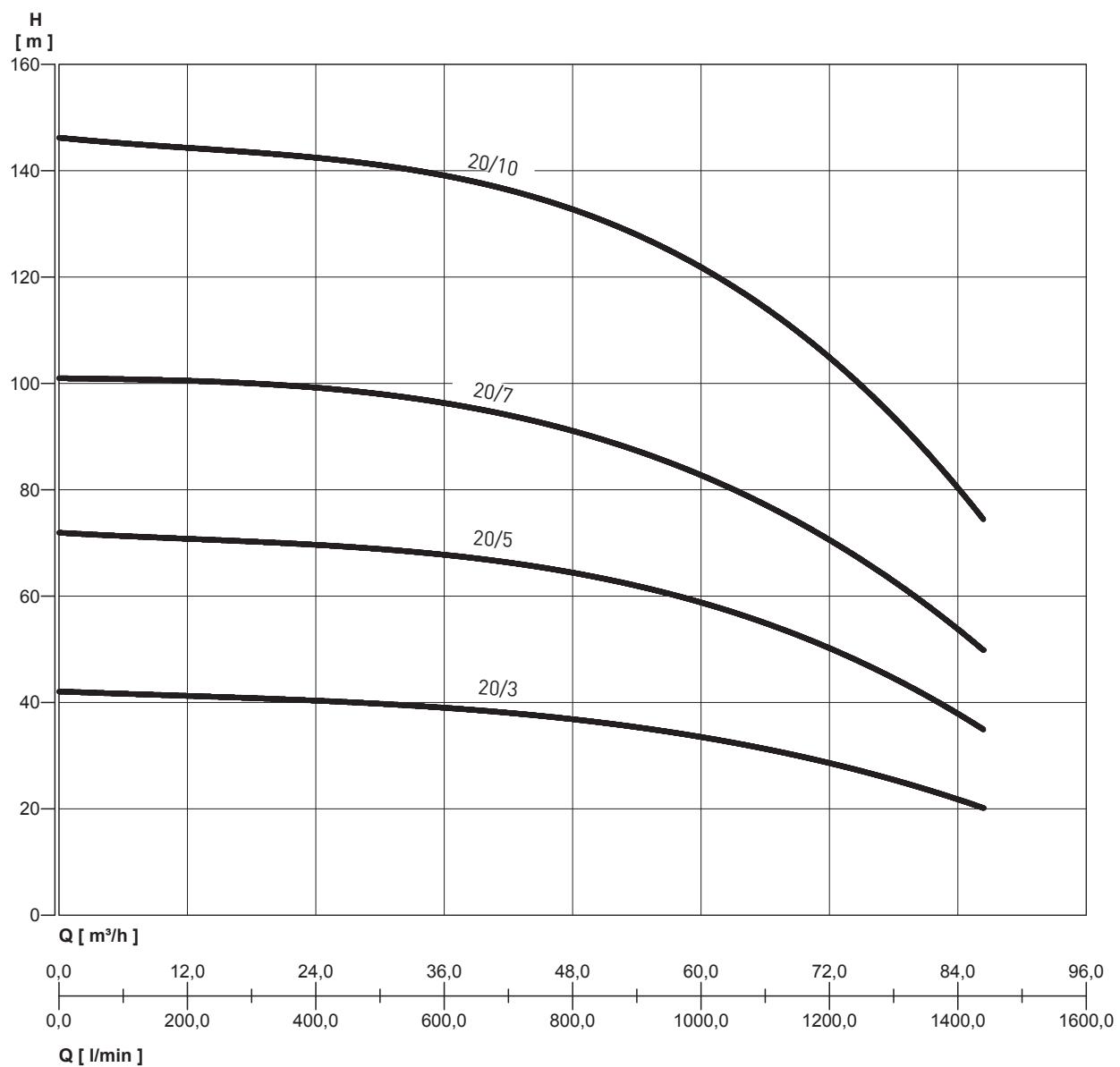
OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									WEIGHTS (Kg)
	L1	P1	P2	H1	H5	DNA	DNM	F	L2	
FCD30 PVM 15-3 F	730	610	860	190	1360	3"	2" 1/2	45	370	330
FCD30 PVM 15-5 F	730	610	860	190	1360	3"	2" 1/2	45	370	375
FCD30 PVM 15-7 F	730	610	860	190	1360	3"	2" 1/2	45	370	431
FCD30 PVM 15-9 F	730	610	860	190	1360	3"	2" 1/2	45	370	460
FCY30 PVM 15-12 F	730	610	860	190	1484	3"	2" 1/2	45	370	540

NOCCHI FCD30-FCY30 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

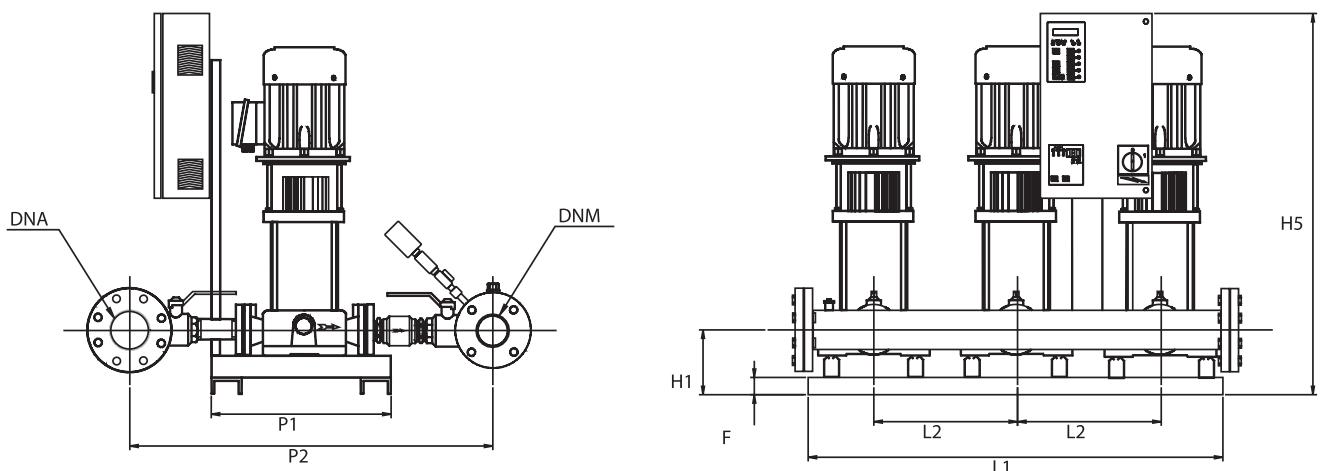


NOCCHI FCD30-FCY30 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	Q	l/min m³/h	0	300	600	900	1200	1440
	kW				0	18	36	54	72	86.4
FCD30 PVM 20-3 F	3x4	3 ~ 400	m.c.a. / m.c.w.	42	41	39	35	29	20	
FCD30 PVM 20-5 F	3x5.5			72	70	68	62	50	35	
FCD30 PVM 20-7 F	3x7.5			101	100	96	88	70	50	
FCY30 PVM 20-10 F	3x11			146	144	139	127	106	74	

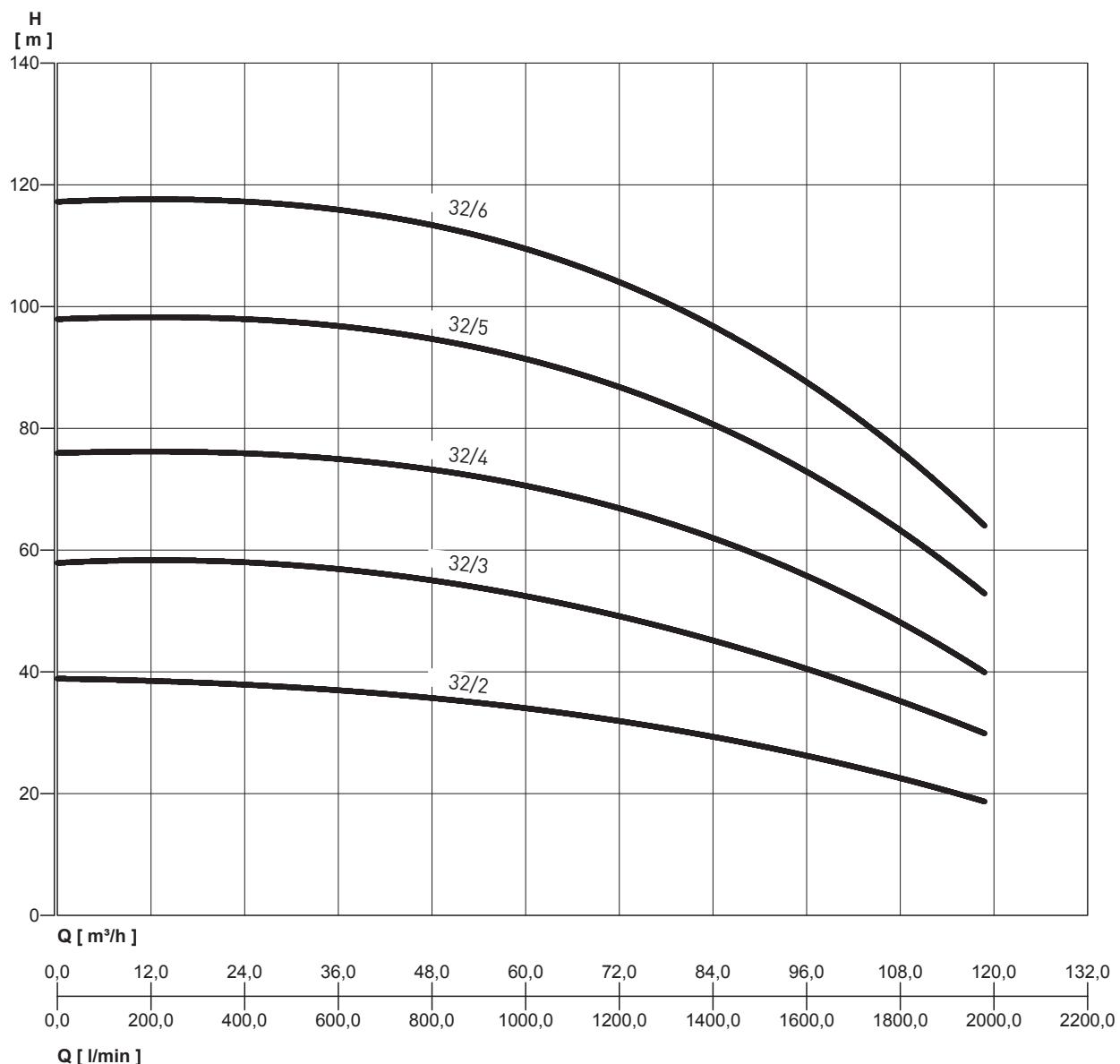


OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.								WEIGHTS (Kg)	
	L1	P1	P2	H1	H5	DNA	DNM	F		
FCD30 PVM 20-3 F	730	610	860	190	1360	3"	2" 1/2	45	370	411
FCD30 PVM 20-5 F	730	610	860	190	1360	3"	2" 1/2	45	370	468
FCD30 PVM 20-7 F	730	610	860	190	1360	3"	2" 1/2	45	370	483
FCY30 PVM 20-10 F	730	610	860	190	1405	3"	2" 1/2	45	370	532

NOCCHI FCD30 - FCY30 PVM PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

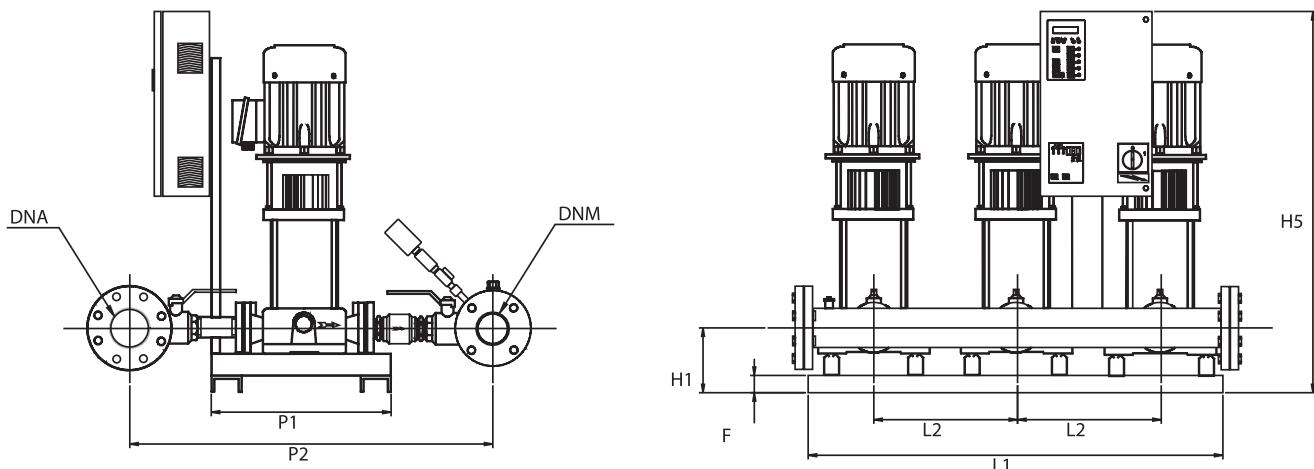


NOCCHI FCD30 - FCY30 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	l/min m ³ / h	0	300	600	900	1200	1500	1800	1980
	kW			0	18	36	54	72	90	108	118.8
FCD30 PVM 32-2	3x4	3 ~ 400	m.c.a./m.c.w.	39	38	37	35	32	28	22	19
FCD30 PVM 32-3	3x5.5			58	58	57	54	49	43	35	30
FCD30 PVM 32-4	3x7.5			76	76	75	72	67	59	48	40
FCY30 PVM 32-5	3x11			98	98	97	93	87	77	63	53
FCY30 PVM 32-6	3x11			117	118	116	111	104	93	76	64



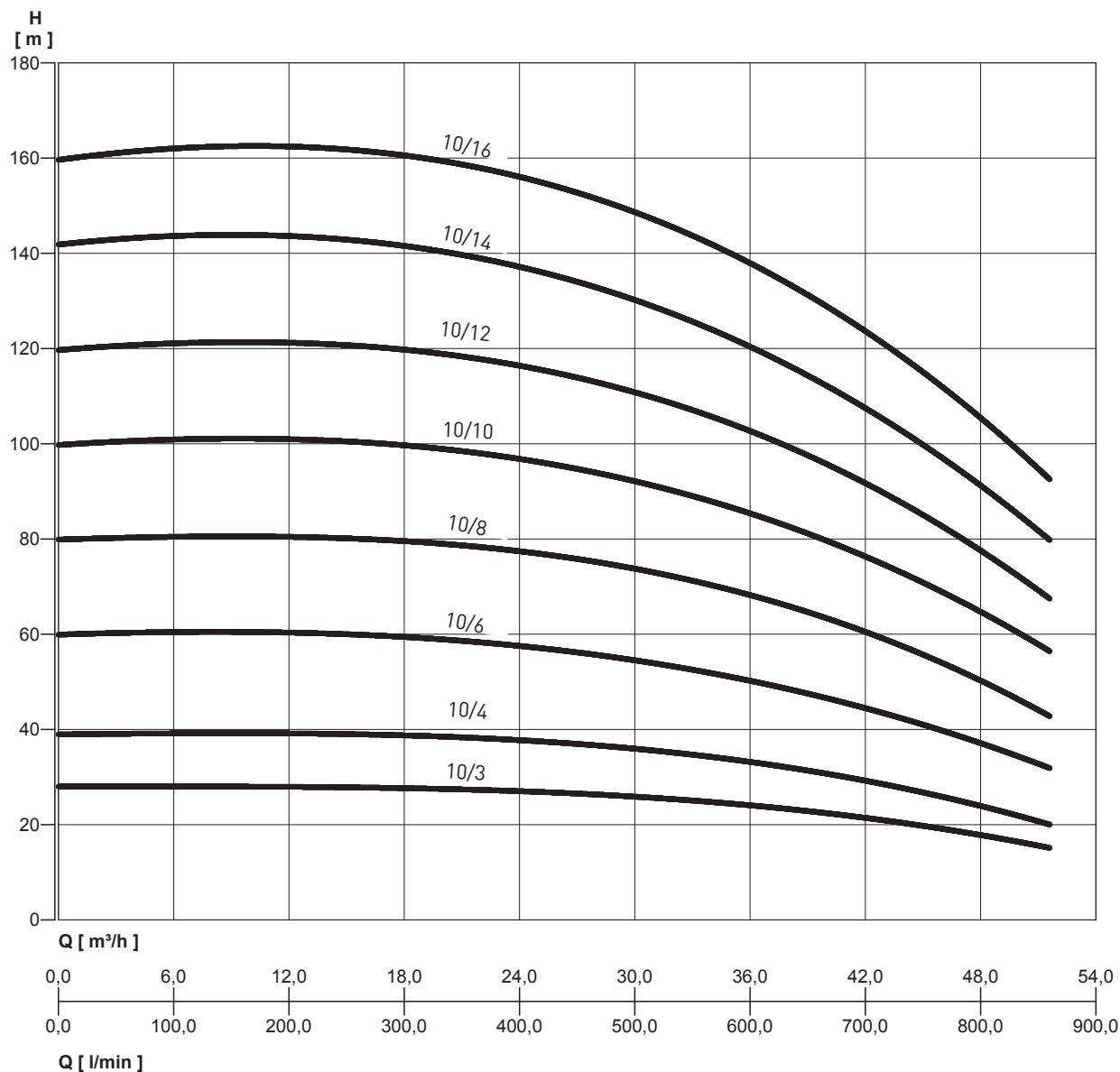
OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.								WEIGHTS (Kg)	
	L1	P1	P2	H1	H5	DNA	DNM	F	L2	
FCD30 PVM 32-2	1300	700	1060	230	1520	5"	3"	80	440	631
FCD30 PVM 32-3	1300	700	1060	230	1520	5"	3"	80	440	645
FCD30 PVM 32-4	1300	700	1060	230	1520	5"	3"	80	440	677
FCY30 PVM 32-5	1300	700	1060	230	1520	5"	3"	80	440	797
FCY30 PVM 32-6	1300	700	1060	230	1520	5"	3"	80	440	860

NOCCHI FCD40 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

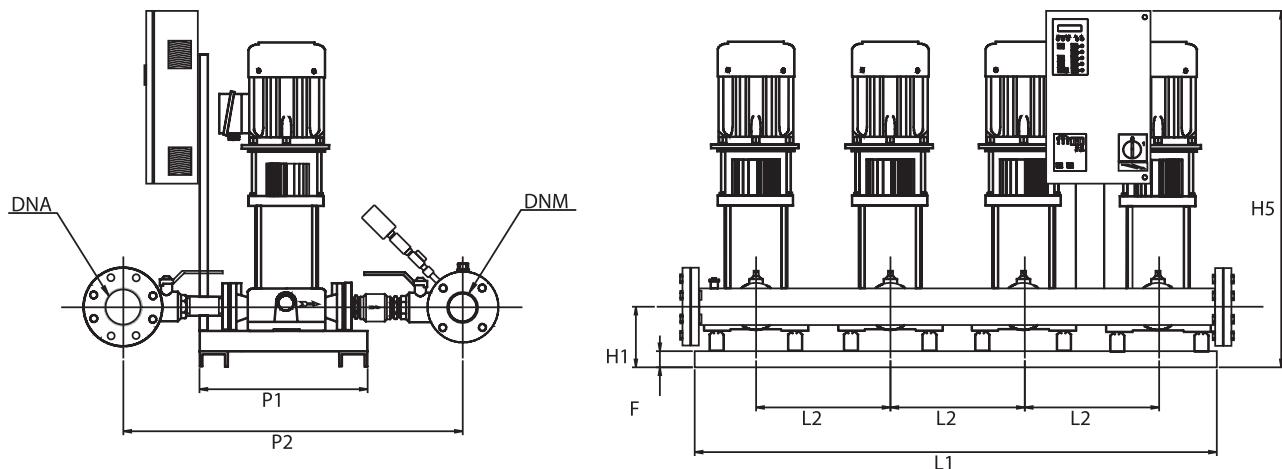


NOCCHI FCD40 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	Q m³/h	l/min	0	200	400	600	800	860
	kW			0 m³/h	12	24	36	48	52	
FCD40 PVM 10-3 F	4x1.1	3 ~ 400	m.c.a. / m.c.w.	28	28	27	24	18	15	
FCD40 PVM 10-4 F	4x1.5			39	39	38	33	24	20	
FCD40 PVM 10-6 F	4x2.2			60	60	58	50	37	32	
FCD40 PVM 10-8 F	4x3			80	80	78	68	50	43	
FCD40 PVM 10-10 F	4x4			100	100	98	85	64	57	
FCD40 PVM 10-12 F	4x4			120	120	118	102	77	68	
FCD40 PVM 10-14 F	4x5.5			142	143	138	120	91	80	
FCD40 PVM 10-16 F	4x5.5			160	161	158	137	105	93	

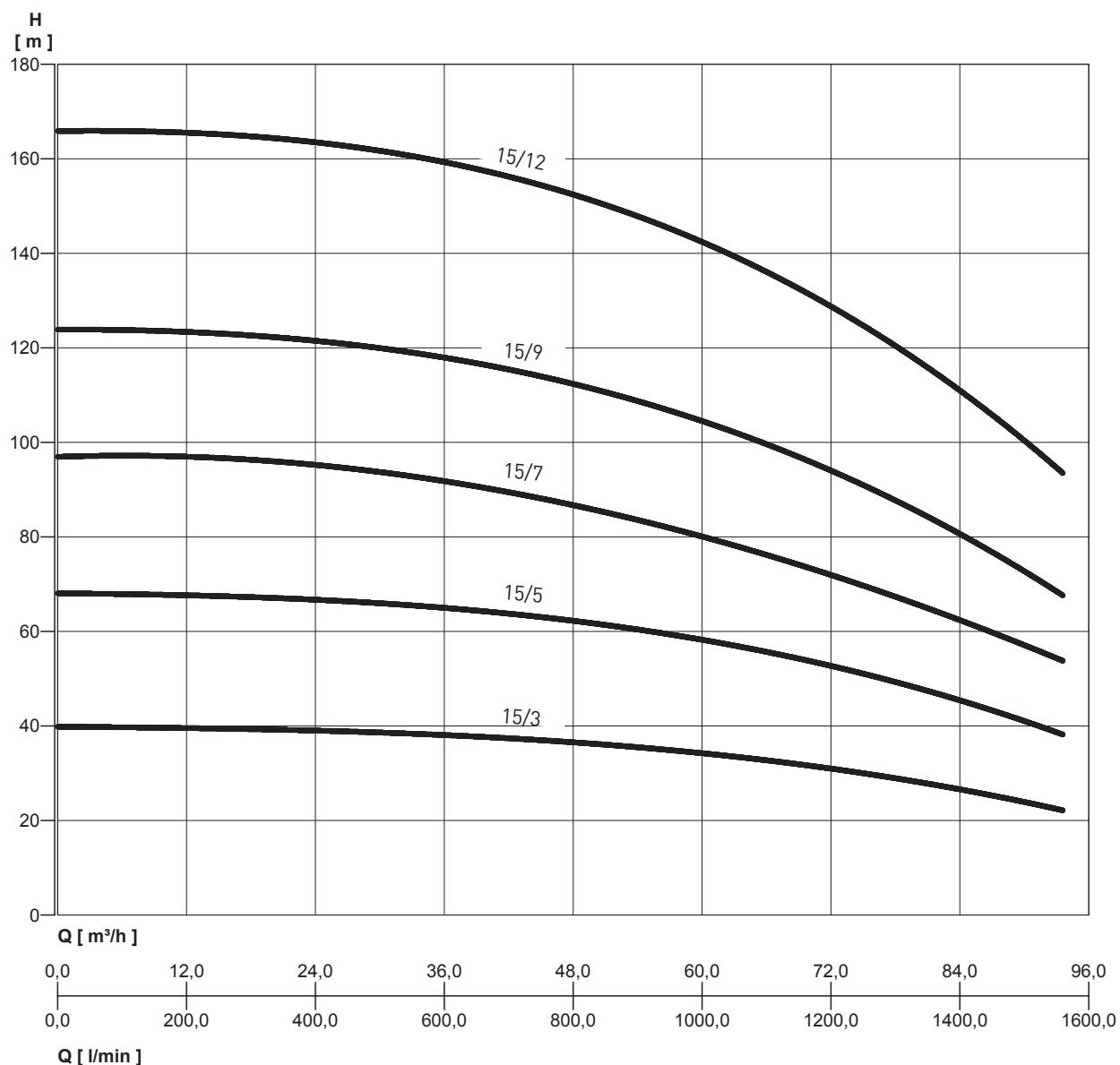


OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.								WEIGHTS (Kg)	
	L1	P1	P2	H1	H5	DNA	DNM	F		
FCD40 PVM 10-3 F	1500	610	720	180	1300	3"	3"	45	370	314
FCD40 PVM 10-4 F	1500	610	720	180	1300	3"	3"	45	370	322
FCD40 PVM 10-6 F	1500	610	720	180	1300	3"	3"	45	370	358
FCD40 PVM 10-8 F	1500	610	720	180	1300	3"	3"	45	370	362
FCD40 PVM 10-10 F	1500	610	720	180	1300	3"	3"	45	370	366
FCD40 PVM 10-12 F	1500	610	720	180	1300	3"	3"	45	370	376
FCD40 PVM 10-14 F	1500	610	720	180	1300	3"	3"	45	370	316
FCD40 PVM 10-16 F	1500	610	720	180	1300	3"	3"	45	370	336

NOCCHI FCD40 - FCY40 PVM PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

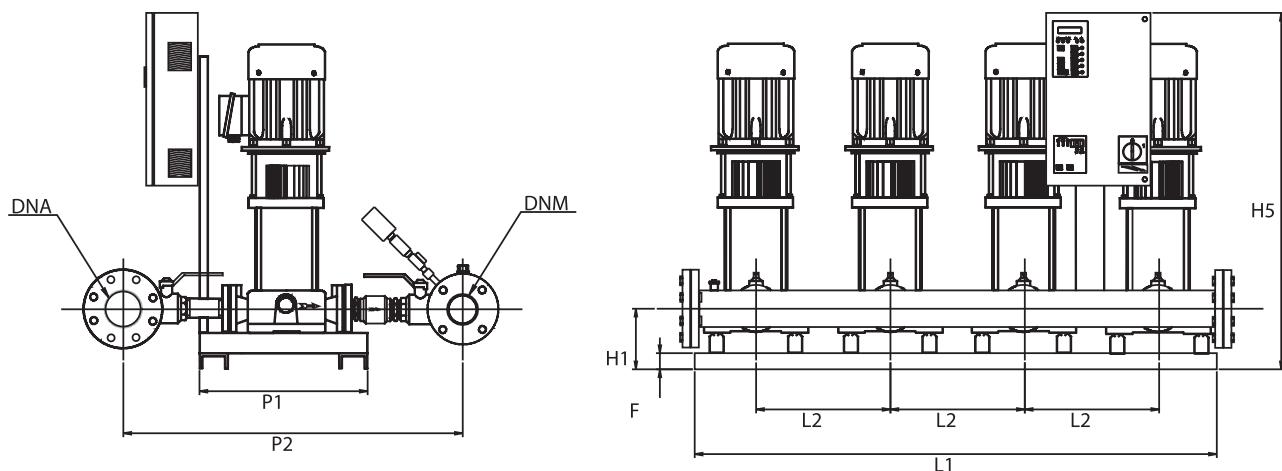


NOCCHI FCD40 - FCY40 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	Q	l/min	0	400	800	1200	1400	1560
	kW			m³/h	0	24	48	72	84	94
FCD40 PVM 15-3 F	4x3	3 ~ 400	m.c.a. / m.c.W	39.8	39.2	36.3	31	26.8	22	
FCD40 PVM 15-5 F	4x4			68	66.9	62	52.7	45.7	38	
FCD40 PVM 15-7 F	4x5.5			97	95	87	72	62	54	
FCD40 PVM 15-9 F	4x7.5			124	121	113	94	80	68	
FCY40 PVM 15-12 F	4x11			166	163	153	129	110	94	



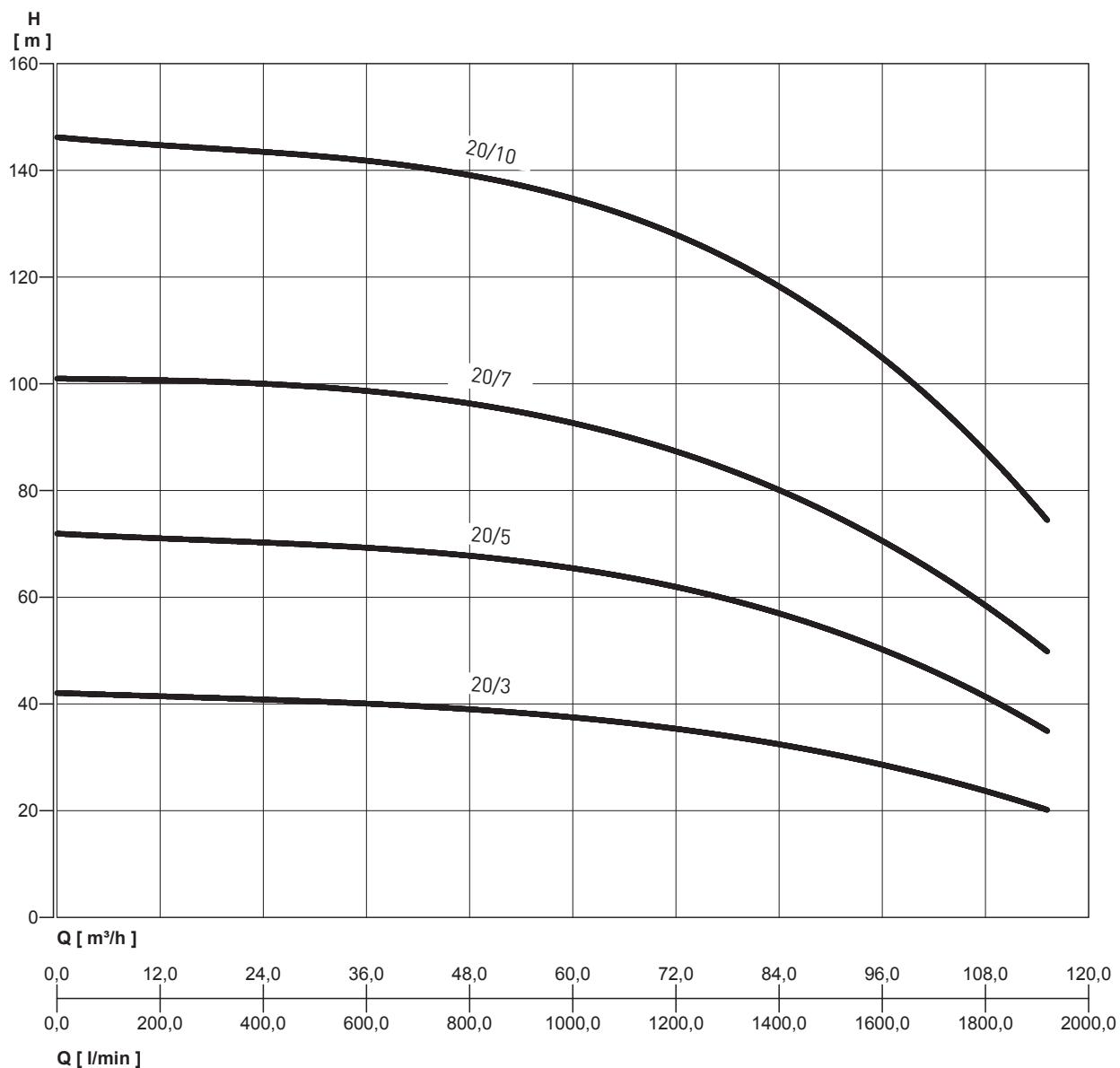
OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									WEIGHTS (Kg)
	L1	P1	P2	H1	H5	DNA	DNM	F	L2	
FCD40 PVM 15-3 F	1470	610	860	190	1520	5"	4"	45	370	393
FCD40 PVM 15-5 F	1470	610	860	190	1520	5"	4"	45	370	396
FCD40 PVM 15-7 F	1470	610	860	190	1520	5"	4"	45	370	423
FCD40 PVM 15-9 F	1470	610	860	190	1520	5"	4"	45	370	440
FCY40 PVM 15-12 F	1470	610	860	190	1520	5"	4"	45	370	460

NOCCHI FCD40 - FCY40 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

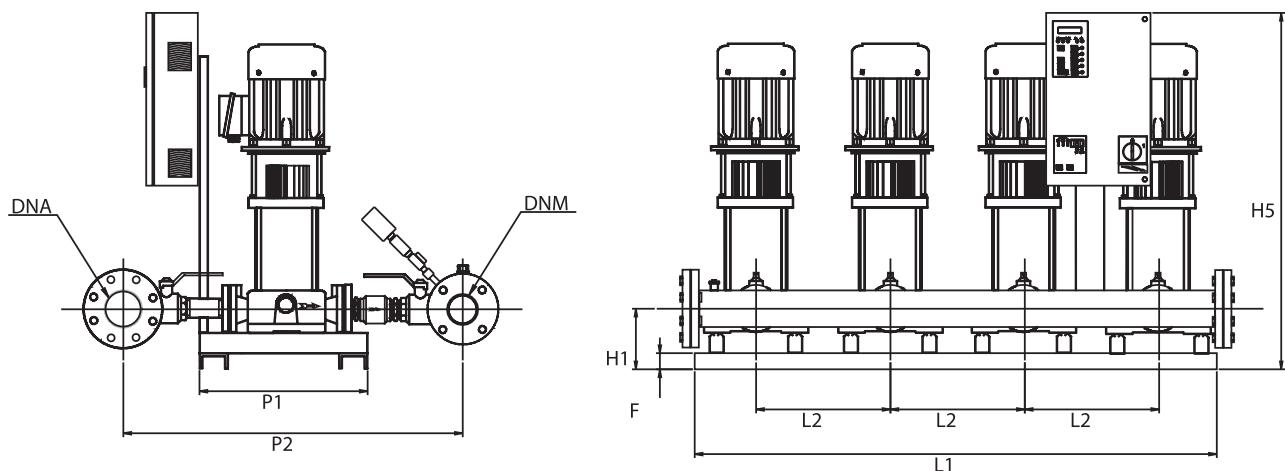


NOCCHI FCD40 - FCY40 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	Q	l/min m³/h	0	400	800	1200	1600	1920
	kW				0	24	48	72	96	115.2
FCD40 PVM 20-3 F	4x4	3 ~ 400	m.c.a./m.c.w.	42	41	39	35	29	20	
FCD40 PVM 20-5 F	4x5.5			72	70	68	62	50	35	
FCD40 PVM 20-7 F	4x7.5			101	100	96	88	70	50	
FCY40 PVM 20-10 F	4x11			146	144	139	127	106	74	



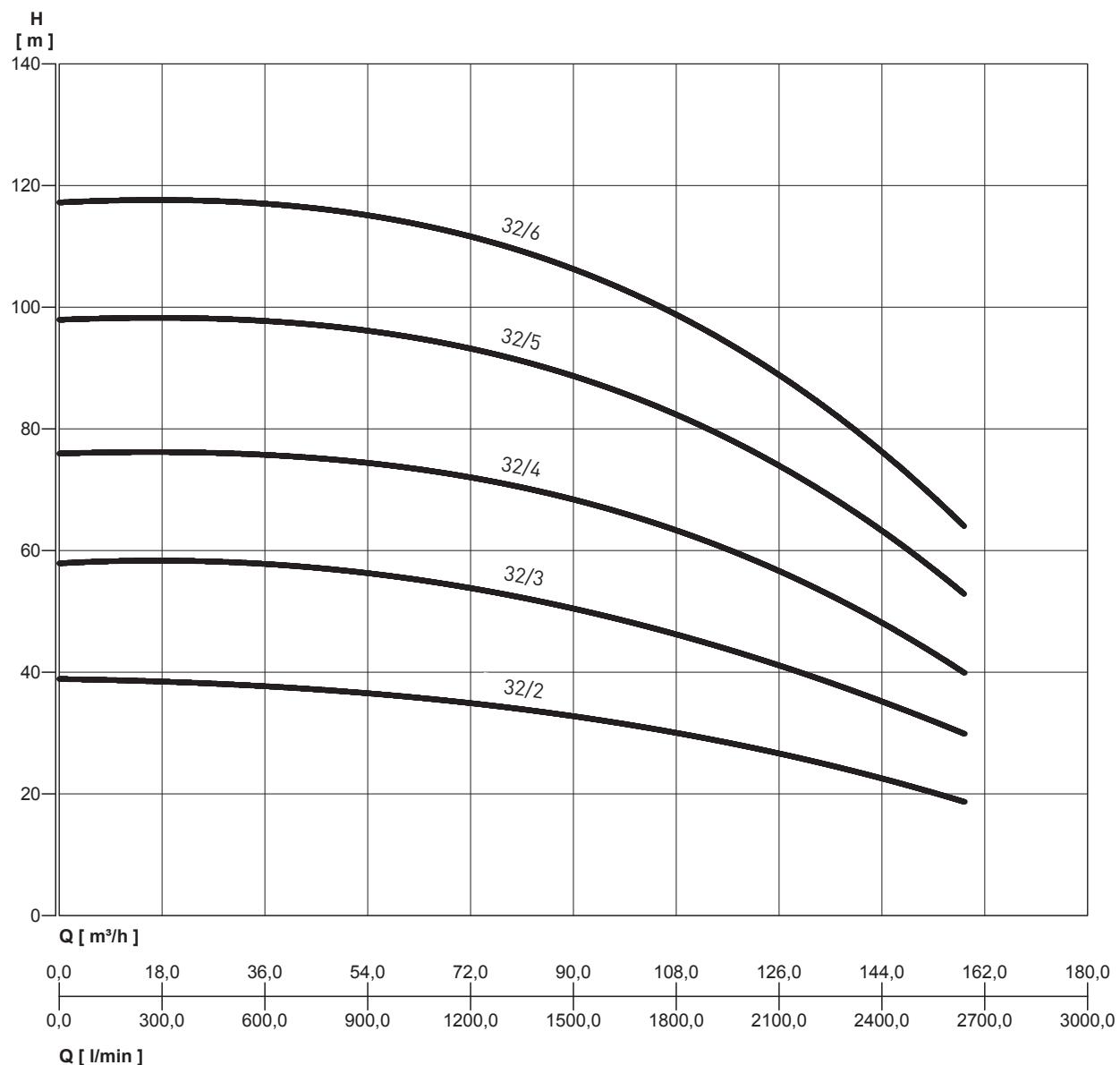
OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.								WEIGHTS (Kg)	
	L1	P1	P2	H1	H5	DNA	DNM	F		
FCD40 PVM 20-3 F	1470	610	860	190	1520	5"	4"	45	370	423
FCD40 PVM 20-5 F	1470	610	860	190	1520	5"	4"	45	370	636
FCD40 PVM 20-7 F	1470	610	860	190	1520	5"	4"	45	370	573
FCY40 PVM 20-10 F	1470	610	860	190	1520	5"	4"	45	370	740

NOCCHI FCD40 - FCY40 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

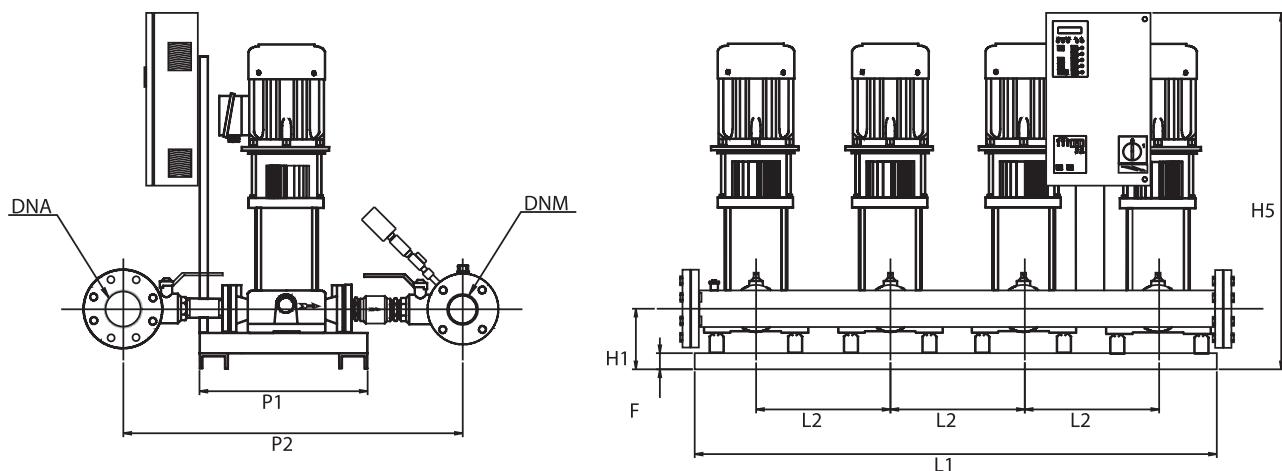


NOCCHI FCD40 - FCY40 PVM

PRESSURE BOOSTERS WITH VARIABLE SPEED

HYDRAULIC PERFORMANCE

MODEL	P2	VOLT. (V)	Q	l/min m³/h	0	400	800	1200	1600	2000	2400	2640
	kW				0	24	48	72	96	120	144	158.4
FCD40 PVM 32-2 F	4x4	3 ~ 400	m.c.a./m.c.w.	39	38	37	35	32	28	22	19	
FCD40 PVM 32-3 F	4x5.5			58	58	57	54	49	43	35	30	
FCD40 PVM 32-4 F	4x7.5			76	76	75	72	67	59	48	40	
FCY40 PVM 32-5 F	4x11			98	98	97	93	87	77	63	53	
FCY40 PVM 32-6 F	4x11			117	118	116	111	104	93	76	64	



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									WEIGHTS (Kg)
	L1	P1	P2	H1	H5	DNA	DNM	F	L2	
FCD40 PVM 32-2 F	1740	700	1060	230	1520	6"	5"	80	440	628
FCD40 PVM 32-3 F	1740	700	1060	230	1520	6"	5"	80	440	783
FCD40 PVM 32-4 F	1740	700	1060	230	1520	6"	5"	80	440	908
FCY40 PVM 32-5 F	1740	700	1060	230	1520	6"	5"	80	440	1066
FCY40 PVM 32-6 F	1740	700	1060	230	1520	6"	5"	80	440	1140