

## DMI SERIES 316 STAINLESS STEEL MULTISTAGE PUMPS

The Davies DMI series are an industrial multistage stainless steel pump capable of handling a wide range of applications, from clean water supply, pressure boosting, hot water circulation and rinsing to those harsh aggressive applications involving chemicals & fertilizers.

### Features

- 316 Stainless steel impellers, Diffusers, inlet/outlet chambers
- Long Life Silicon carbide/carbon seal
- Quiet & Low running cost
- Easy service clamp band design



# TECHNICAL DETAILS

## Typical Applications:

- Water supply
- Pressure boosting
- Water treatment
- Circulation
- Industrial washing and rinsing
- Fertilizer dosing systems

## Pump Type

- Horizontal non self-priming multistage centrifugal pump for pumping clean, thin, non-explosive, non-flammable, free of solid particles, sand and fibers.

## Motor Type

- Totally enclosed, fan cooled standard PSC type motor
- Rated speed: 2850 RPM - 50Hz
- Single phase voltage range: 220-240V
- Three phase voltage range: 220-240/380-415
- Insulation: Class F
- Protection: IP54
- Single phase versions fitted with manual reset overload
- Three phase version require user supplied overload to be fitted in installation

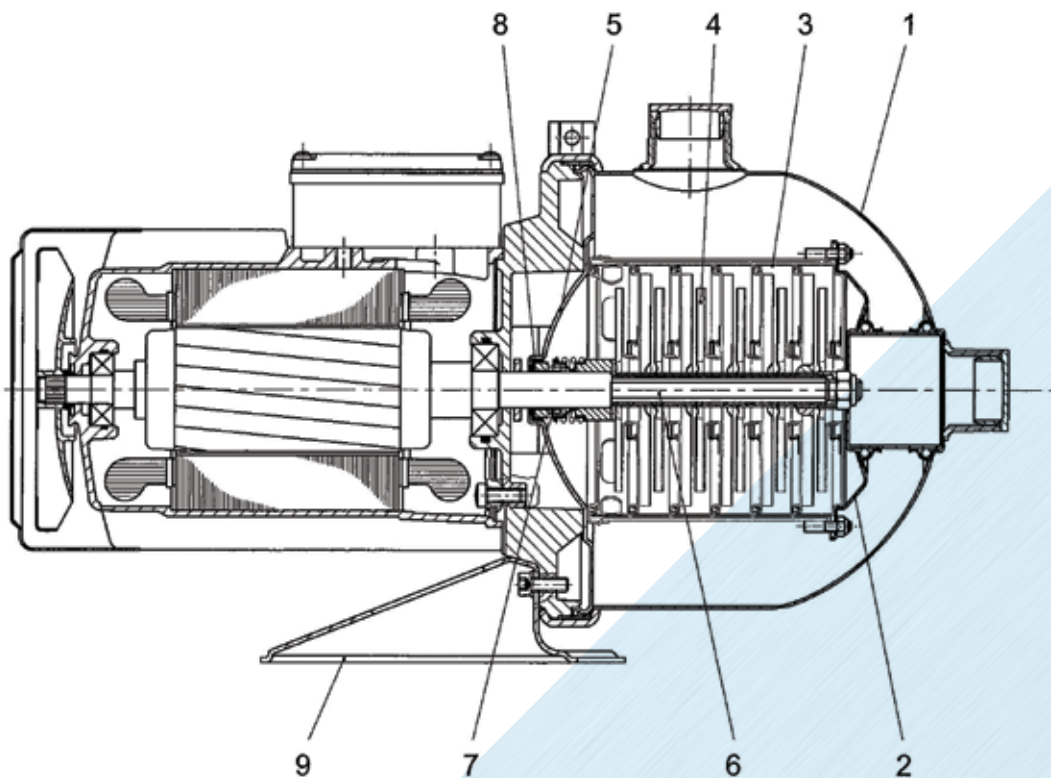
## Operation limitations

- Maximum ambient temperature: +40°C
- Liquid temperature range: 0°C to + 110°C
- Maximum operating pressure: 10bar/145PSI



# CONSTRUCTION MATERIALS

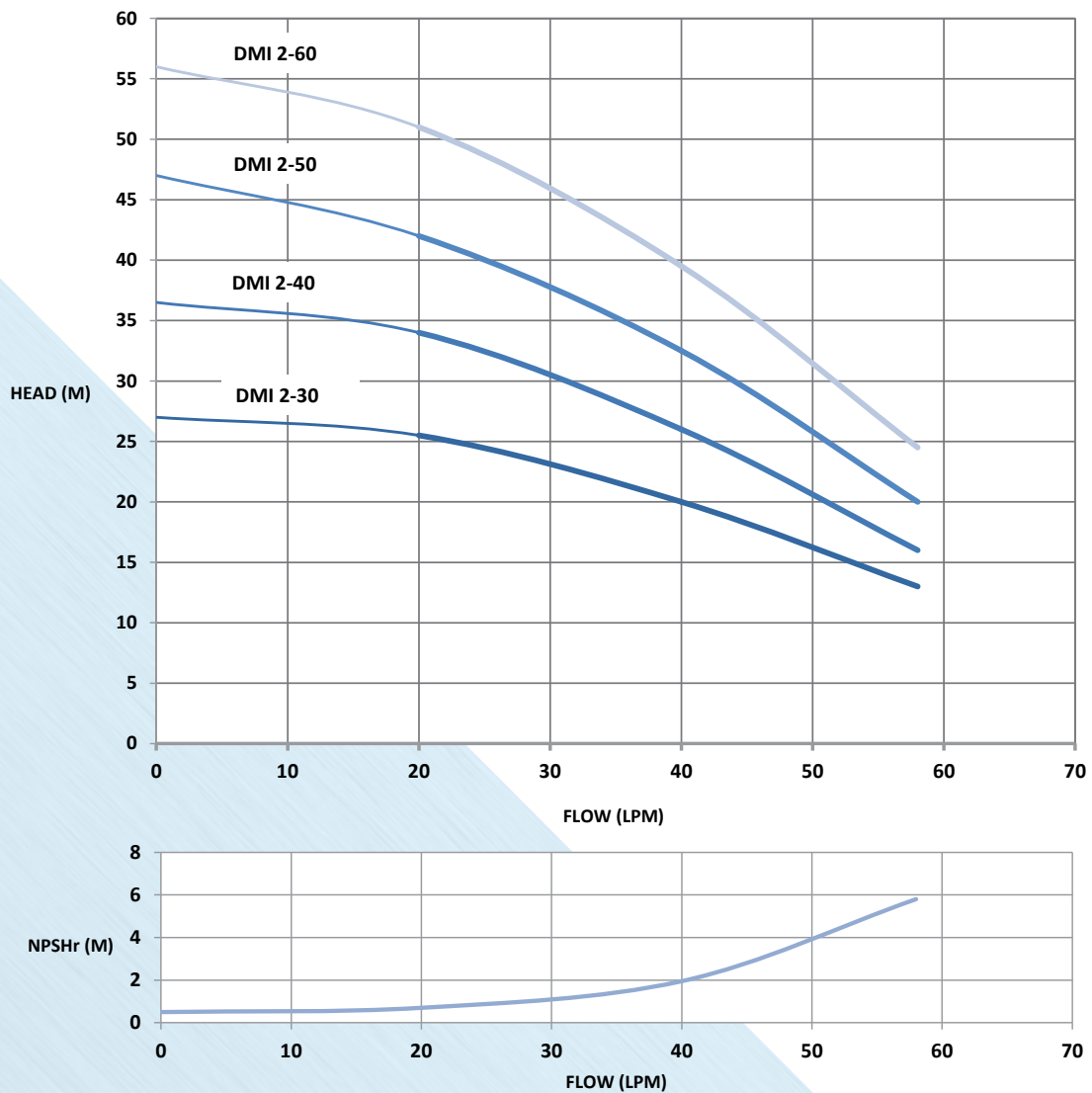
ITEM NO.	DESCRIPTION	MATERIAL
1	Pump Casing	316 Stainless steel
2	Suction connector	316 Stainless steel
3	Chamber	316 Stainless steel
4	Impeller	316 Stainless steel
5	Coverplate	316 Stainless steel
6	Shaft	316 Stainless steel
7	Mechanical seal	Silicon carbide/silicon carbide
8	O-Ring	Viton
9	Base plate	Steel



# TECHNICAL DATA

DAVIES DMI 2 SERIES						
Model	Hp	Kw (P2)	Kw (P1)	Volts	Phase	Amps
DMI 2-30	0.48	0.35	0.54	230	1	2.4
DMI 2-40	0.6	0.45	0.63	230	1	2.8
DMI 2-50	0.78	0.57	0.8	230	1	3.8
DMI 2-60	0.9	0.66	0.94	230	1	4.2

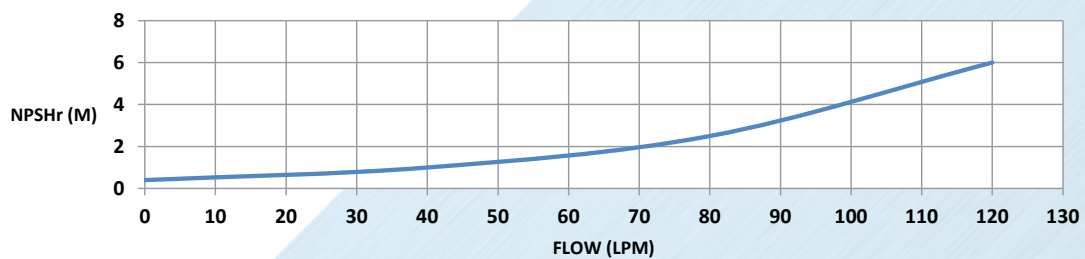
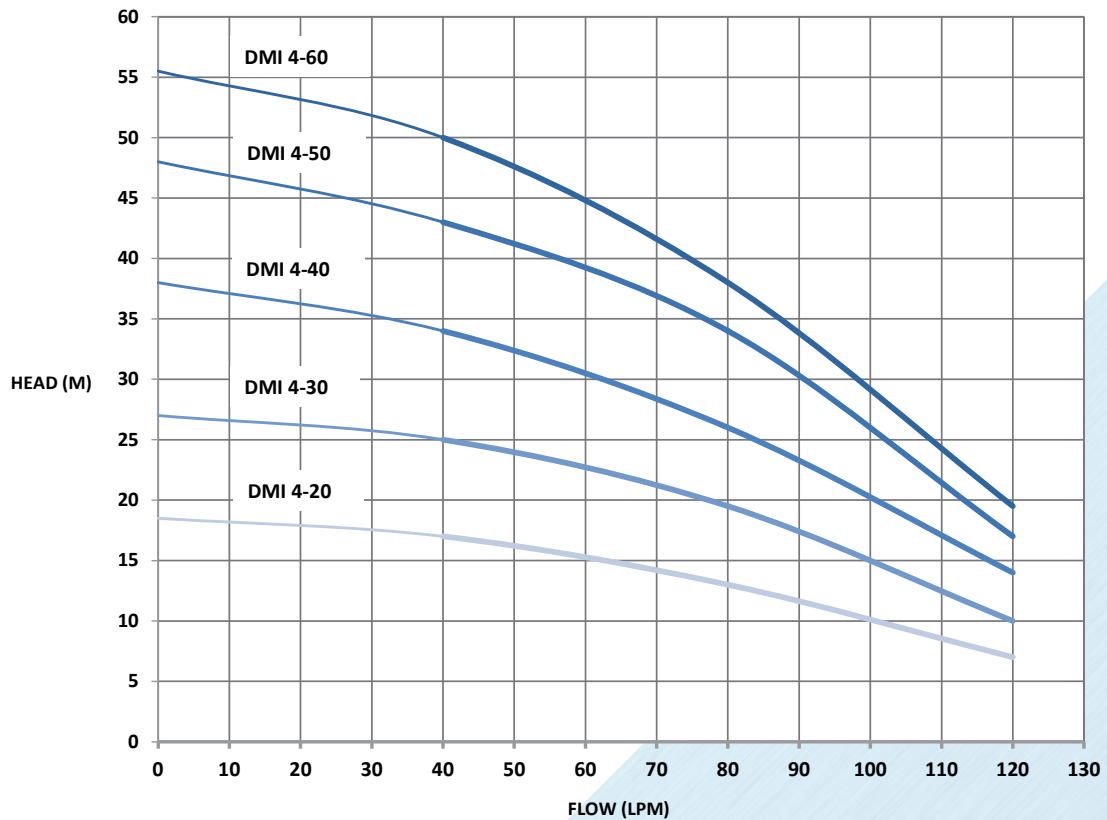
DMI 2 SERIES



# TECHNICAL DATA

DAVIES DMI 4 SERIES						
Model	Hp	Kw (P2)	Kw (P1)	Volts	Phase	Amps
DMI 4-20	0.33	0.25	0.56	230	1	2.5
DMI 4-30	0.75	0.56	0.76	230	1	3.5
DMI 4-40	1.0	0.74	1.0	230	1	4.8
DMI 4-50	1.3	0.94	1.22	230	1	5.7
DMI 4-60	1.48	1.08	1.4	230	1	6.4

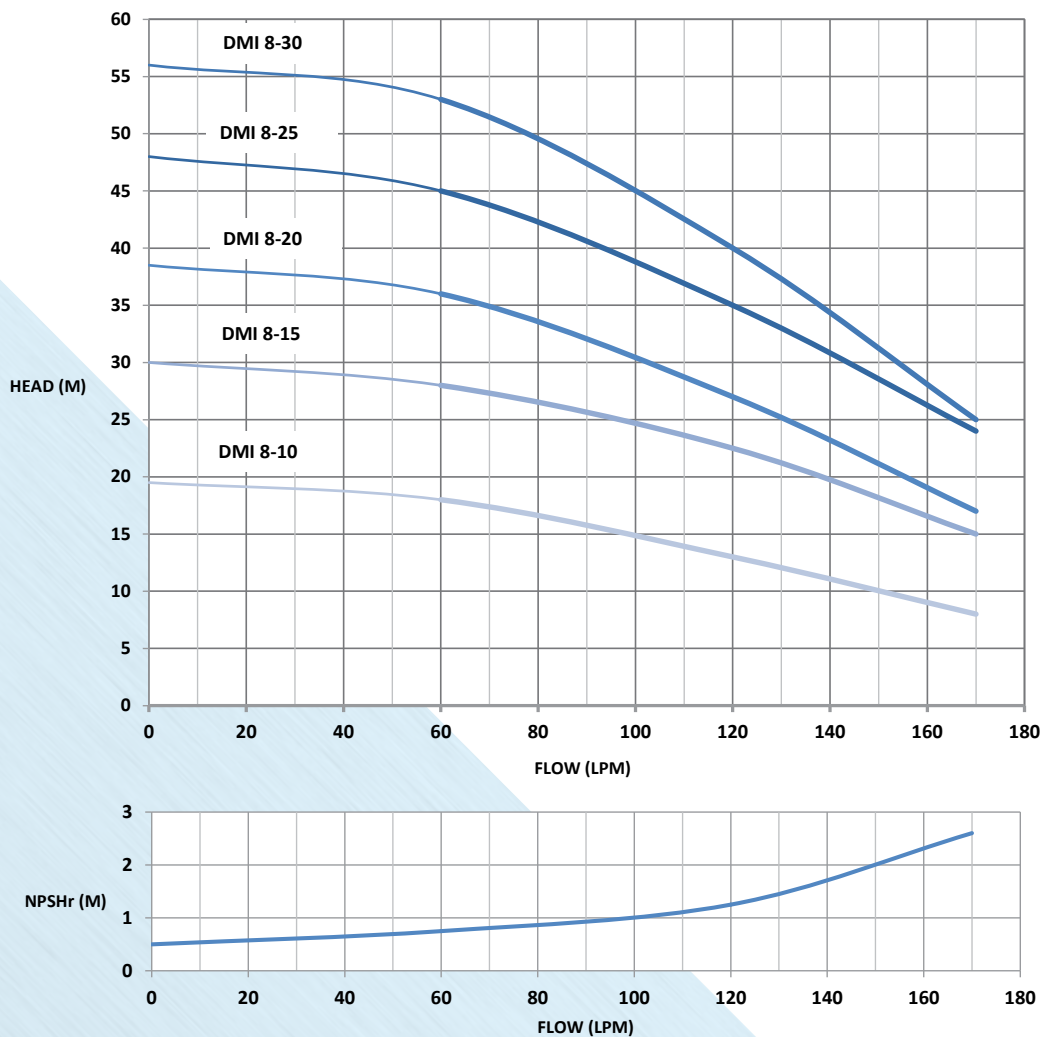
DMI 4 SERIES



# TECHNICAL DATA

DAVIES DMI 8 SERIES						
Model	Hp	Kw (P2)	Kw (P1)	Volts	Phase	Amps
DMI 8-10	0.7	0.5	0.72	230	1	2.5
DMI 8-15	1.1	0.8	1.15	230	1	3.5
DMI 8-20	1.4	1	1.4	230	1	4.8
DMI 8-25	1.8	1.3	1.9	230	1	5.7
DMI 8-30	2.2	1.6	2.1	230	1	6.4

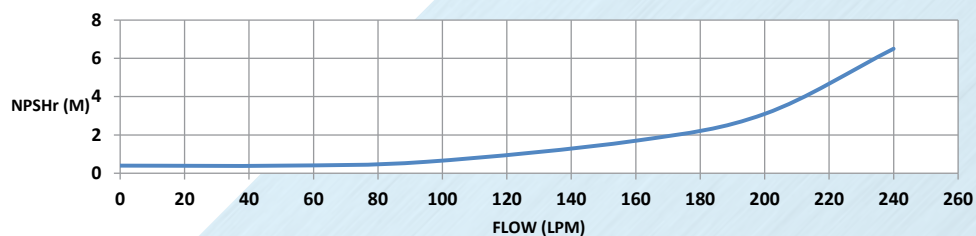
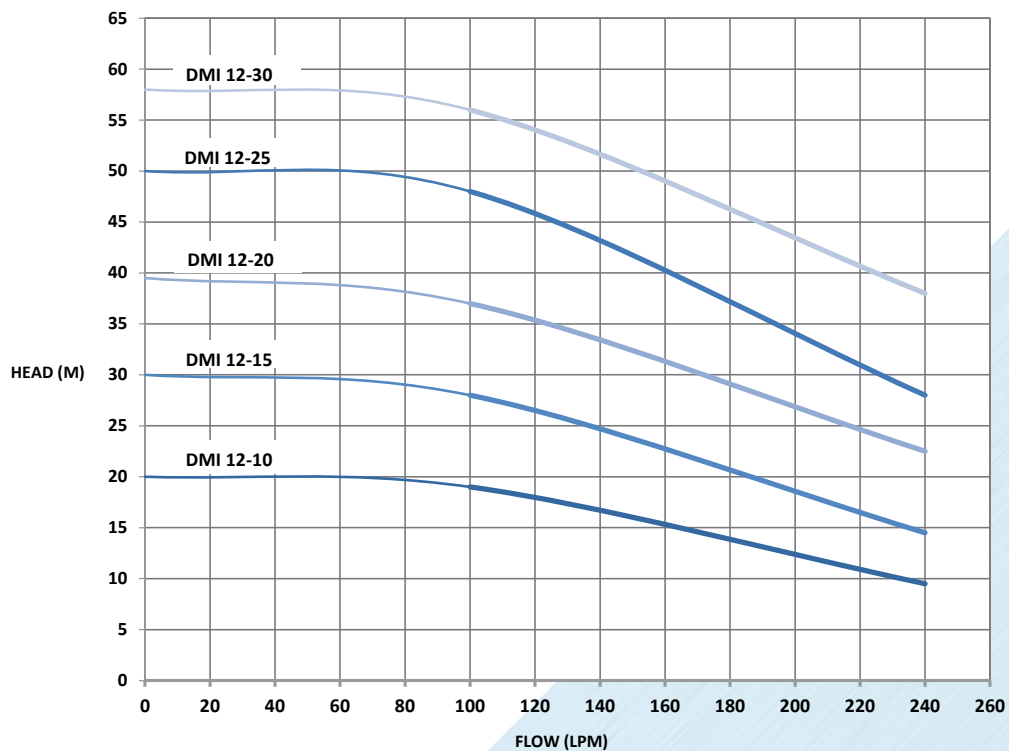
DMI 8 SERIES



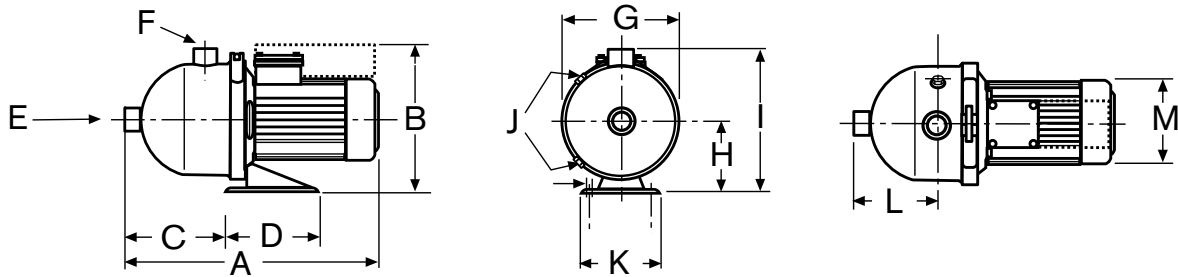
# TECHNICAL DATA

DAVIES DMI 12 SERIES						
Model	Hp	Kw (P2)	Kw (P1)	Volts	Phase	Amps
DMI 12-10	1.1	0.8	1.2	230	1	5.5
DMI 12-15	1.6	1.17	1.7	230	1	7.8
DMI 12-15T	1.6	1.17	1.7	230/400	3	5.9/3.4
DMI 12-20	2.4	1.76	2.5	230	1	11.0
DMI 12-20T	2.4	1.76	2.5	230/400	3	7.4/4.3
DMI 12-25	3.0	2.17	2.9	230	1	13
DMI 12-25T	3.0	2.17	2.9	230/400	3	9.2/5.3
DMI 12-30T	3.7	2.67	3.6	230/400	3	11.6/6.7

DMI 12 SERIES



# DIMENSIONS & WEIGHTS



Pump model	A	B*	C	D	€	F	G	H	I	J	K	L	M	KG
DMI 2-20	403	255	171	162	1"	1"	204	118	243	3/8"	132	140	141	9.6
DMI 2-30	403	255	171	162	1"	1"	204	118	243	3/8"	132	140	141	9.9
DMI 2-40	403	255	171	162	1"	1"	204	118	243	3/8"	132	140	141	10.1
DMI 2-50	403	255	171	162	1"	1"	204	118	243	3/8"	132	140	141	10.8
DMI 2-60	403	255	171	162	1"	1"	204	118	243	3/8"	132	140	141	11.0
DMI 4-20	403	255	171	162	1 1/4"	1 1/4"	204	118	243	3/8"	132	140	141	9.6
DMI 4-30	403	255	171	162	1 1/4"	1 1/4"	204	118	243	3/8"	132	140	141	9.9
DMI 4-40	403	255	171	162	1 1/4"	1 1/4"	204	118	243	3/8"	132	140	141	10.6
DMI 4-50	441	255	171	162	1 1/4"	1 1/4"	204	118	243	3/8"	132	140	141	12.1
DMI 4-60	441	255	171	162	1 1/4"	1 1/4"	204	118	243	3/8"	132	140	141	12.3

Pump model	A	B	C	D	€	F	G	H	I	J	K	L	M	KG
220-DMI 8-10	403	255	181	162	1 1/2"	1 1/2"	204	118	243	3/8"	132	142	141	10.2
220-DMI 8-15	441	255	181	162	1 1/2"	1 1/2"	204	118	243	3/8"	132	142	141	12.2
220-DMI 8-20	441	255	181	162	1 1/2"	1 1/2"	204	118	243	3/8"	132	142	141	13.5
220-DMI 8-25	514	267	200	235	1 1/2"	1 1/2"	204	121	245	3/8"	178	142	177	23
220-DMI 8-25T	441	233	181	162	1 1/2"	1 1/2"	204	118	243	3/8"	132	142	141	14
220-DMI 8-30	514	267	200	235	1 1/2"	1 1/2"	204	121	243	3/8"	178	142	177	23
220-DMI 8-30T	493	261	200	235	1 1/2"	1 1/2"	204	121	243	3/8"	132	142	141	22
220-DMI 12-10	441	255	181	162	1 1/2"	1 1/2"	204	118	243	3/8"	132	142	141	11.5
220-DMI 12-15	441	255	181	162	1 1/2"	1 1/2"	204	118	243	3/8"	132	142	141	13.3
220-DMI 12-15T	441	233	181	162	1 1/2"	1 1/2"	204	118	243	3/8"	132	142	141	13.2
220-DMI 12-20	514	267	200	235	1 1/2"	1 1/2"	204	121	243	3/8"	178	142	141	22.5
220-DMI 12-20T	493	261	200	235	1 1/2"	1 1/2"	204	121	243	3/8"	178	142	177	21.5
220-DMI 12-25	514	267	200	235	1 1/2"	1 1/2"	204	121	243	3/8"	178	142	177	25.7
220-DMI 12-25T	493	261	200	235	1 1/2"	1 1/2"	204	121	243	3/8"	178	142	177	24.3
220-DMI 12-30T	539	284	230	245	1 1/2"	1 1/2"	204	133	259	3/8"	198	142	197	30

For your nearest dealer please contact Argon Distributors: 0508 634 341

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