

Rated Capacity
Q: 50 - 750 GPM
H: 7/3 - 14/2 BAR



END SUCTION FIRE PUMP

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021-22855818



شرکت مهندسی صباتام صنعت

UL Listed End suction pumps



General Data:

- ▶ End suction fire pumps are specified when the source of water is located above the surface of the ground and provides a positive suction pressure to the pump at any performance point.
- ▶ Certified by Underwriters Laboratories (UL) Al Khoory fire pumps are engineered for reliable operation and built per the rigid standards of NFPA 20.
- ▶ Available in a broad range of operating pressures and flows from a minimum of 50 US GPM to 750 USGPM
- ▶ Every fire pump is tested for its rated performance under Positive Suction Pressure as per NFPA 20 and provided with factory Certified Test report.
- ▶ All pumps are hydrostatically tested in the factory as per NFPA 20 at no less than 250 psi.
- ▶ Suitable to be used with electric motor and diesel engine drives
- ▶ Applicable For Residential, Commercial, Industrial Use

UL Listed End suction pumps

Pump Construction Features

► Pump casing:

The back pull out design of the casing enables the elements of the casing to be removed without disturbing the suction and discharge piping. Having integrally cast feet, the ductile iron volute casing design features vertical centerline discharge with axial suction.

► Impeller:

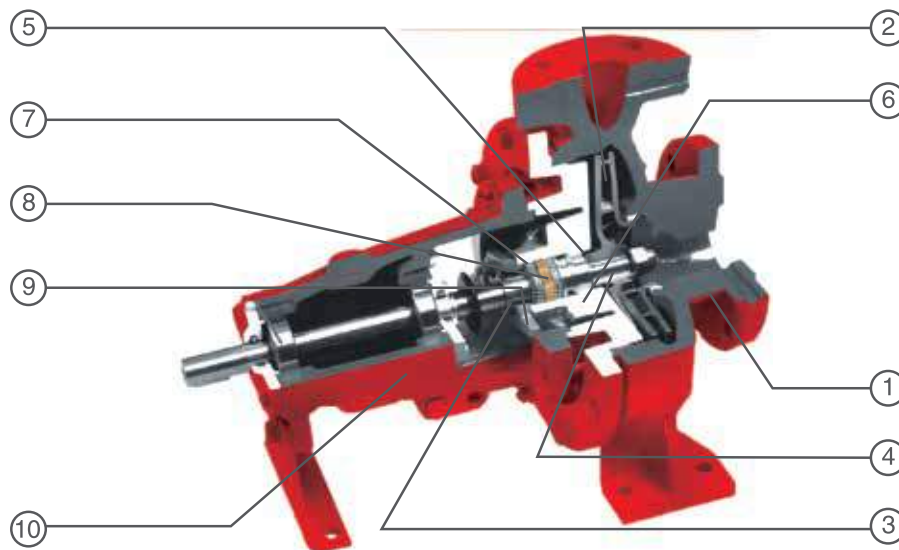
Driven by shaft key, impellers are axially locked between sleeve and impeller nut. Double shrouded type impellers are hydraulically balanced, besides each impeller is dynamically balanced to G 6.3 quality grade.

► Bearings:

Grease lubricated ball bearings selected for 5,000 hours minimum life at maximum load.

► Shaft Seal:

Interwoven, Graphite Impregnated T.F.E. diagonally cut packing rings seal the pump shaft



Material of Construction:

Part No	Part Name	Material
1	Casing	Ductile Iron
2	Impeller	Bronze
3	Shaft Sleeve	SS 304
4	Shaft	All0y Steel
5	Wear Ring	Bronze/SS 304
6	Stuffing Box	Ductile Iron
7	Gland Packing	Graphite Impregnated
8	Lantern Ring	SS 304
9	Packing Gland	SS 304
10	Bearing Housing	Cast Iron

UL Listed End suction pumps

Selection Data-Electric & Diesel Fire Pumps

RATED CAPACITY-50 USGPM

SL NO	PUMP MODEL	UL LISTED PRESSURE (PSI)	RATED SPEED	SUCTION INLET DIA (INCH)	DISCHARGE INLET DIA(INCH)	STAGES
1	AKS 40-26E	108 - 134	2900	2.5	1.5	1
2	AKS 50-26E	118 - 139	2900	2.5	2	1

RATED CAPACITY-100 USGPM

SL NO	PUMP MODEL	UL LISTED PRESSURE (PSI)	RATED SPEED	SUCTION INLET DIA (INCH)	DISCHARGE INLET DIA(INCH)	STAGES
1	AKS 40-26E	105 - 132	2900	2.5	1.5	1
2	AKS 50-26E	120 - 139	2900	2.5	2	1

RATED CAPACITY-150 USGPM

SL NO	PUMP MODEL	UL LISTED PRESSURE (PSI)	RATED SPEED	SUCTION INLET DIA (INCH)	DISCHARGE INLET DIA(INCH)	STAGES
1	AKS 50-26E	116 - 138	2900	2.5	2	1

RATED CAPACITY-200 USGPM

SL NO	PUMP MODEL	UL LISTED PRESSURE (PSI)	RATED SPEED	SUCTION INLET DIA (INCH)	DISCHARGE INLET DIA(INCH)	STAGES
1	AKS 50-26E	109 - 131	2900	2.5	2	1
2	AKS 65-26E	106 - 134	2900	3	2.5	1

RATED CAPACITY-250 USGPM

SL NO	PUMP MODEL	UL LISTED PRESSURE (PSI)	RATED SPEED	SUCTION INLET DIA (INCH)	DISCHARGE INLET DIA(INCH)	STAGES
1	AKS 65-26E	106 - 134	2900	3	2.5	1

UL Listed End suction pumps

Selection Data-Electric & Diesel Fire Pumps

RATED CAPACITY-300 USGPM

SL NO	PUMP MODEL	UL LISTED PRESSURE (PSI)	RATED SPEED	SUCTION INLET DIA (INCH)	DISCHARGE INLET DIA(INCH)	STAGES
1	AKS 65-26E	104 - 131	2900	3	2.5	1

RATED CAPACITY-400 USGPM

SL NO	PUMP MODEL	UL LISTED PRESSURE (PSI)	RATED SPEED	SUCTION INLET DIA (INCH)	DISCHARGE INLET DIA(INCH)	STAGES
1	AKS 80-26E	110 - 128	2900	4	3	1

RATED CAPACITY-450 USGPM

SL NO	PUMP MODEL	UL LISTED PRESSURE (PSI)	RATED SPEED	SUCTION INLET DIA (INCH)	DISCHARGE INLET DIA(INCH)	STAGES
1	AKS 80-26E	108 - 127	2900	4	3	1

RATED CAPACITY-500 USGPM

SL NO	PUMP MODEL	UL LISTED PRESSURE (PSI)	RATED SPEED	SUCTION INLET DIA (INCH)	DISCHARGE INLET DIA(INCH)	STAGES
1	AKS 80-26E	107 - 126	2900	4	3	1
2	AKS 100-26EH	118 - 135	2900	5	4	1
3	AKS 100-32EH	171 - 208	2900	5	4	1

RATED CAPACITY-750 USGPM

SL NO	PUMP MODEL	UL LISTED PRESSURE (PSI)	RATED SPEED	SUCTION INLET DIA (INCH)	DISCHARGE INLET DIA(INCH)	STAGES
1	AKS 100-26EH	114 - 133	2900	5	4	1
2	AKS 100-32EH	161 - 201	2900	5	4	1

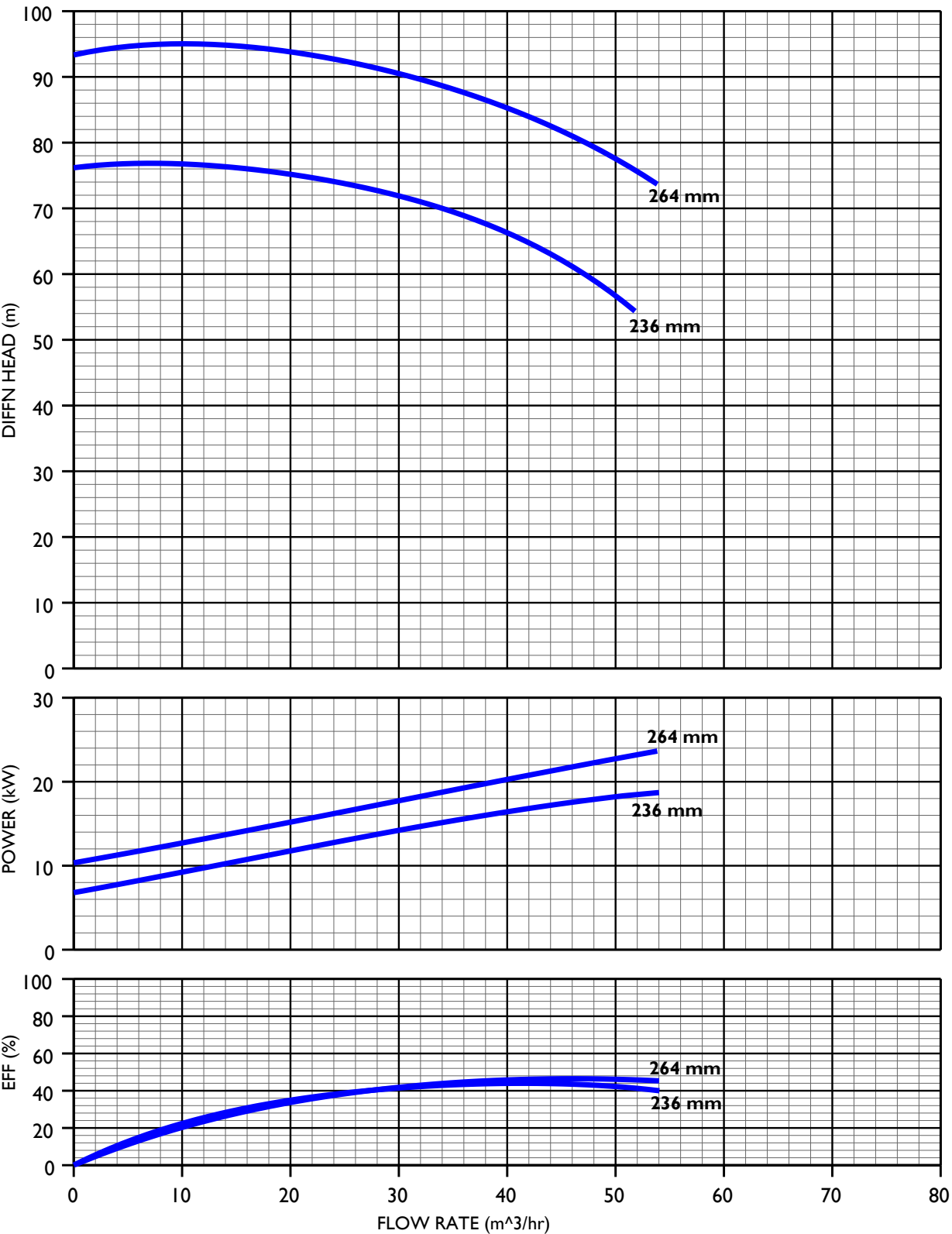
50 HZ - Electric Fire Pump



PUMP MODEL	AKS-40-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 50 US GPM

Rated Net Pressure: 108 - 134 psi



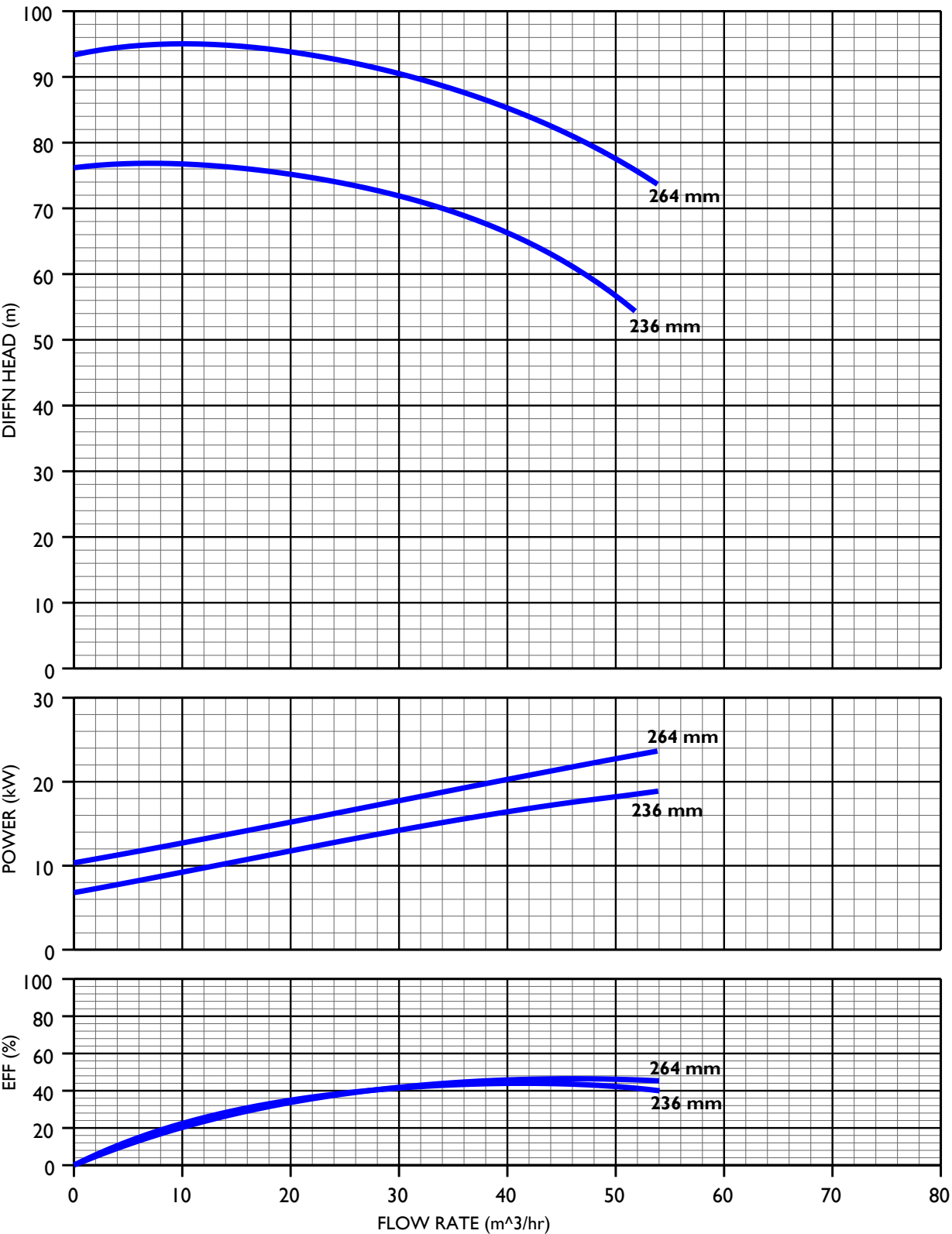
50 HZ - Electric Fire Pump



PUMP MODEL	AKS-40-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 100 US GPM

Rated Net Pressure: 105 - 132 psi



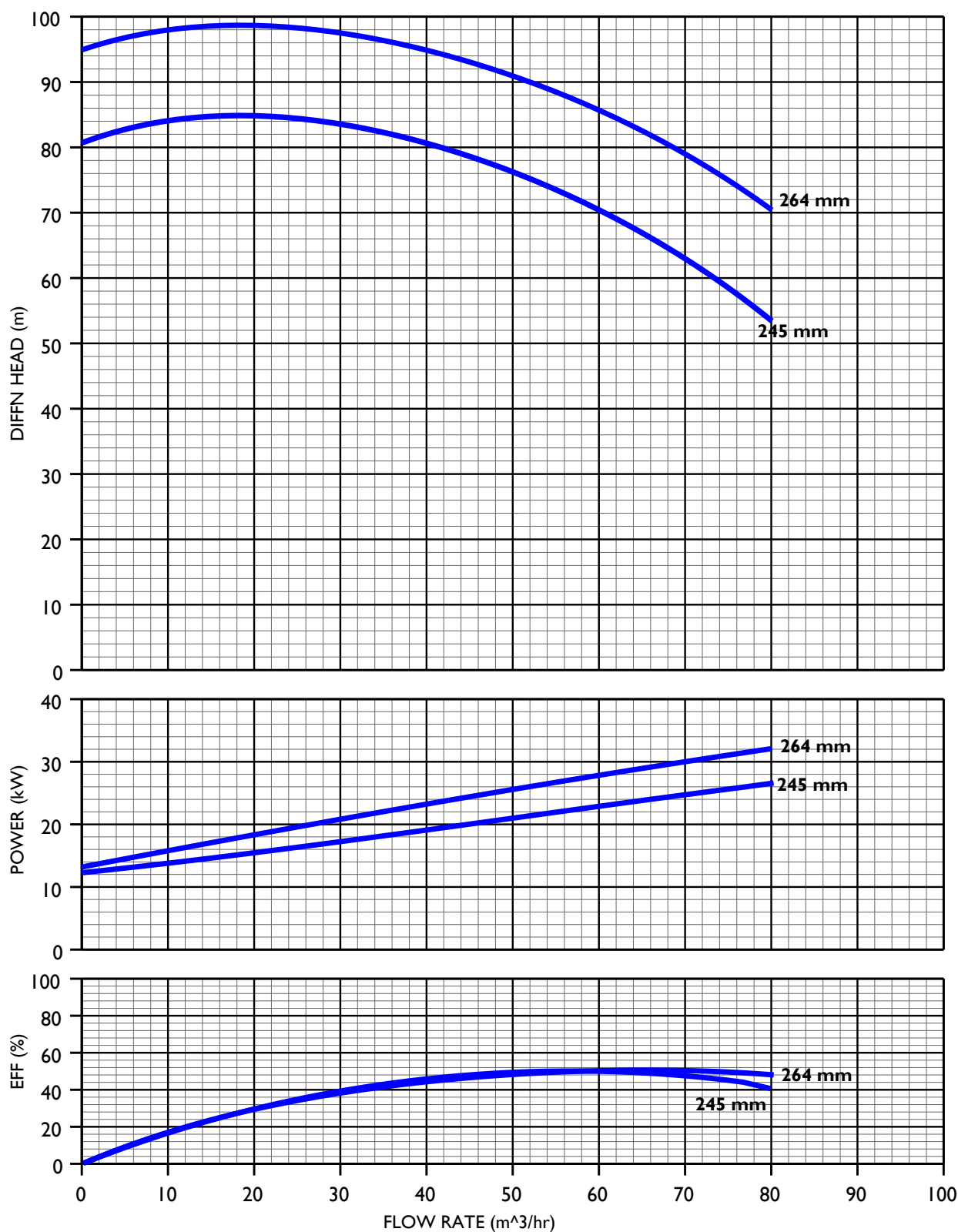
50 HZ - Electric Fire Pump



PUMP MODEL	AKS50-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 50 US GPM

Rated Net Pressure: 118 - 139 psi



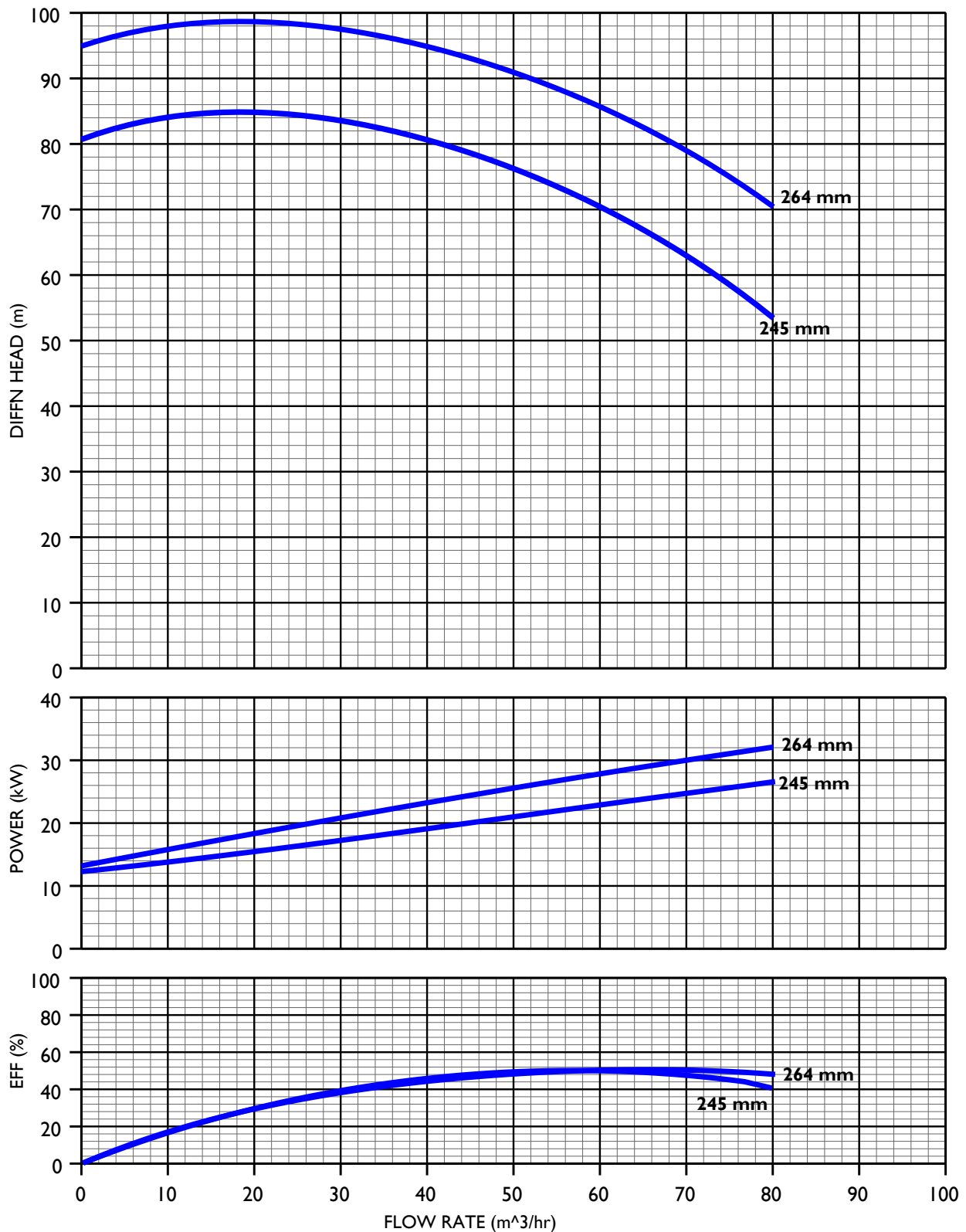
50 HZ - Electric Fire Pump



PUMP MODEL	AKS50-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 100 US GPM

Rated Net Pressure: 120 - 139 psi



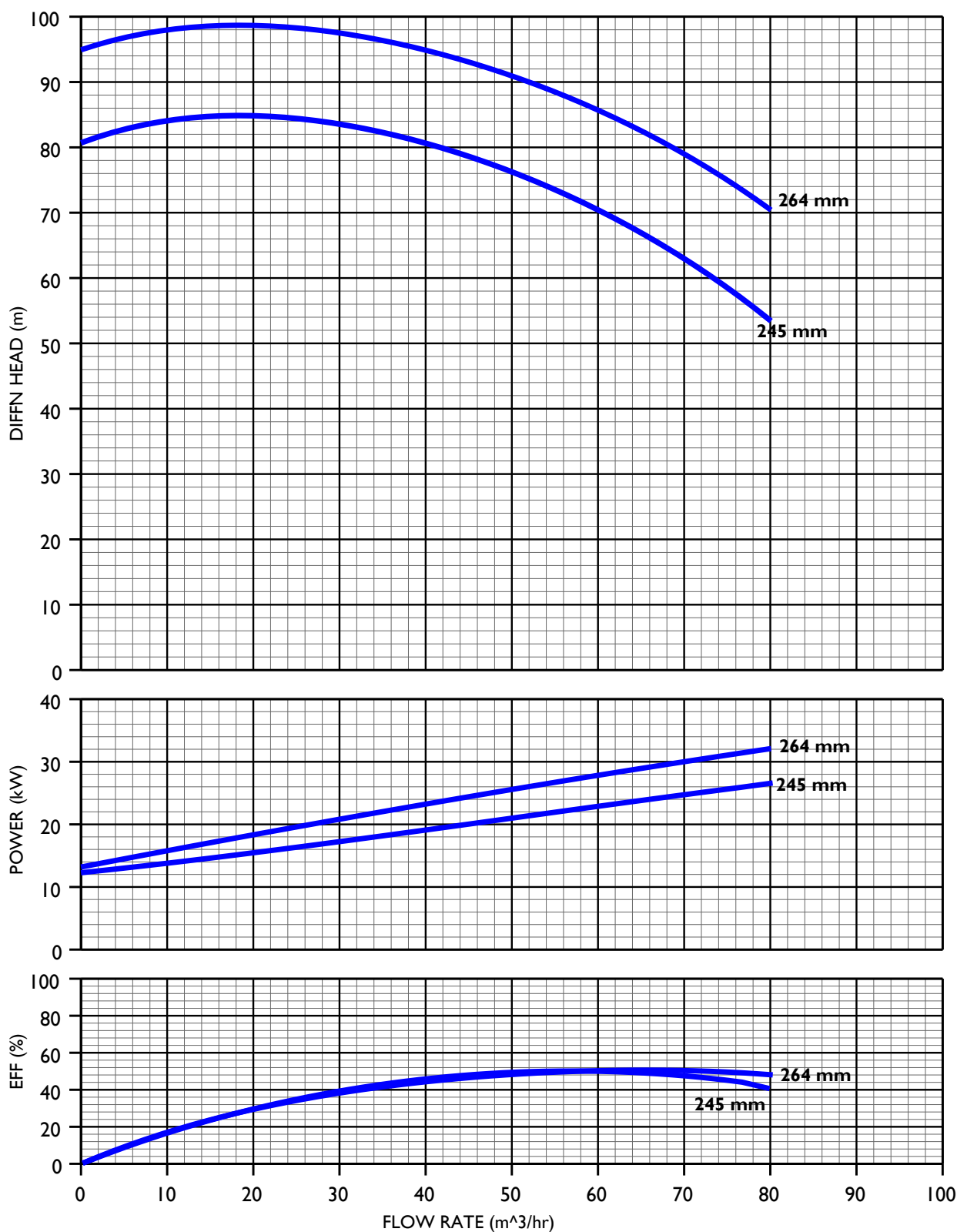
50 HZ - Electric Fire Pump



PUMP MODEL	AKS50-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 150 US GPM

Rated Net Pressure: 116 - 138 psi



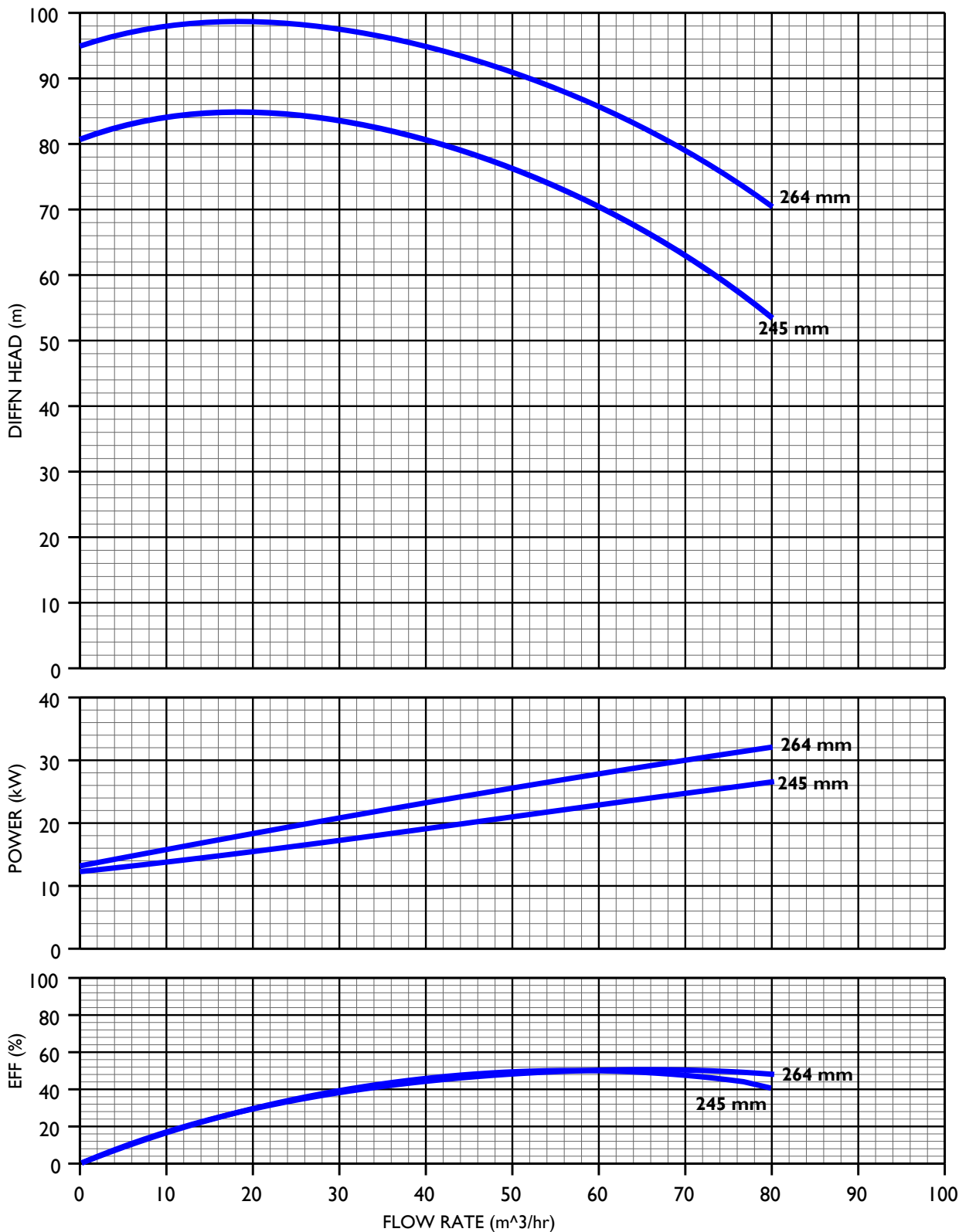
50 HZ - Electric Fire Pump



PUMP MODEL	AKS50-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 200 US GPM

Rated Net Pressure: 109 - 131 psi



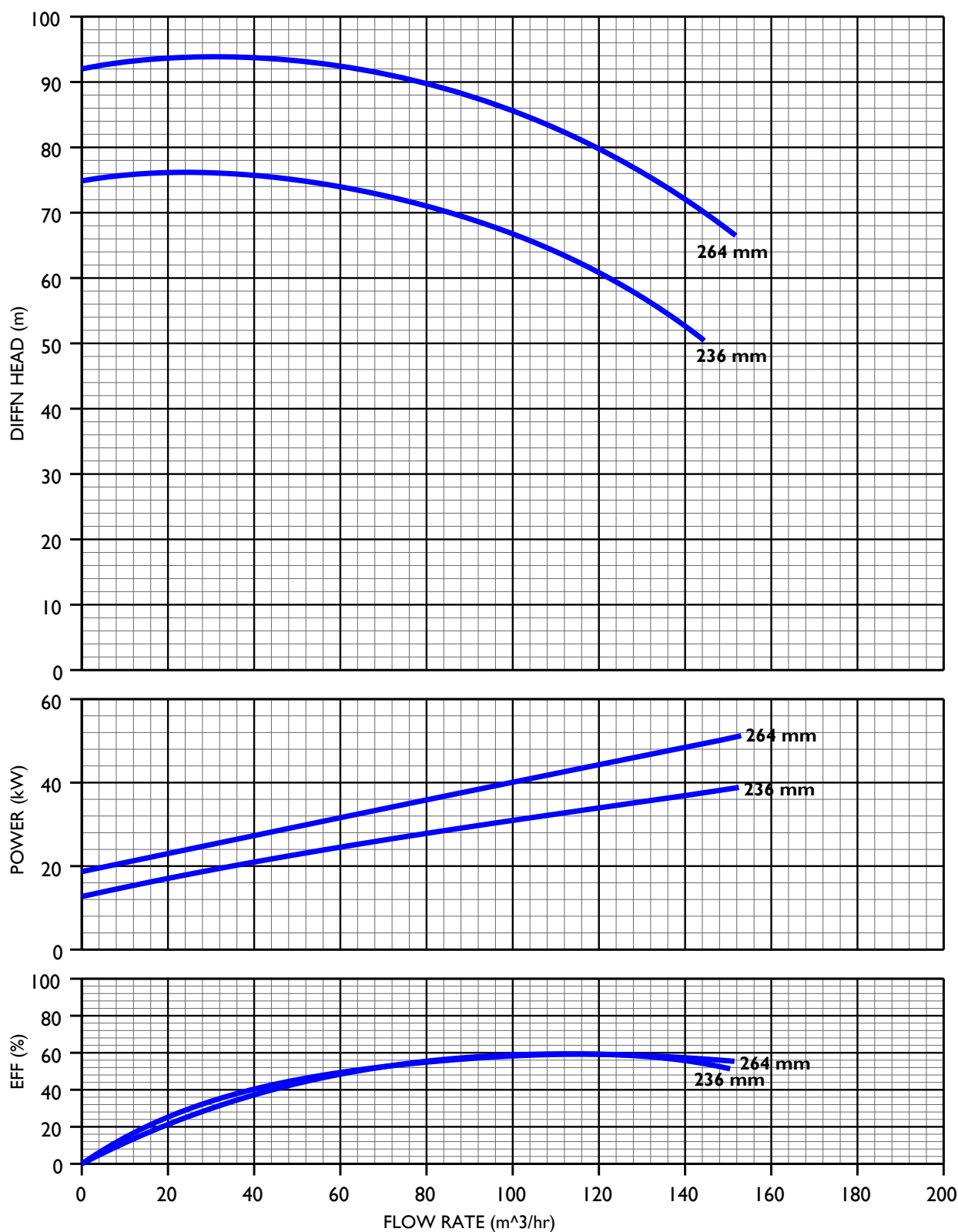
50 HZ - Electric Fire Pump



PUMP MODEL	AKS65-26E
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 200 US GPM

Rated Net Pressure: 106 - 134 psi



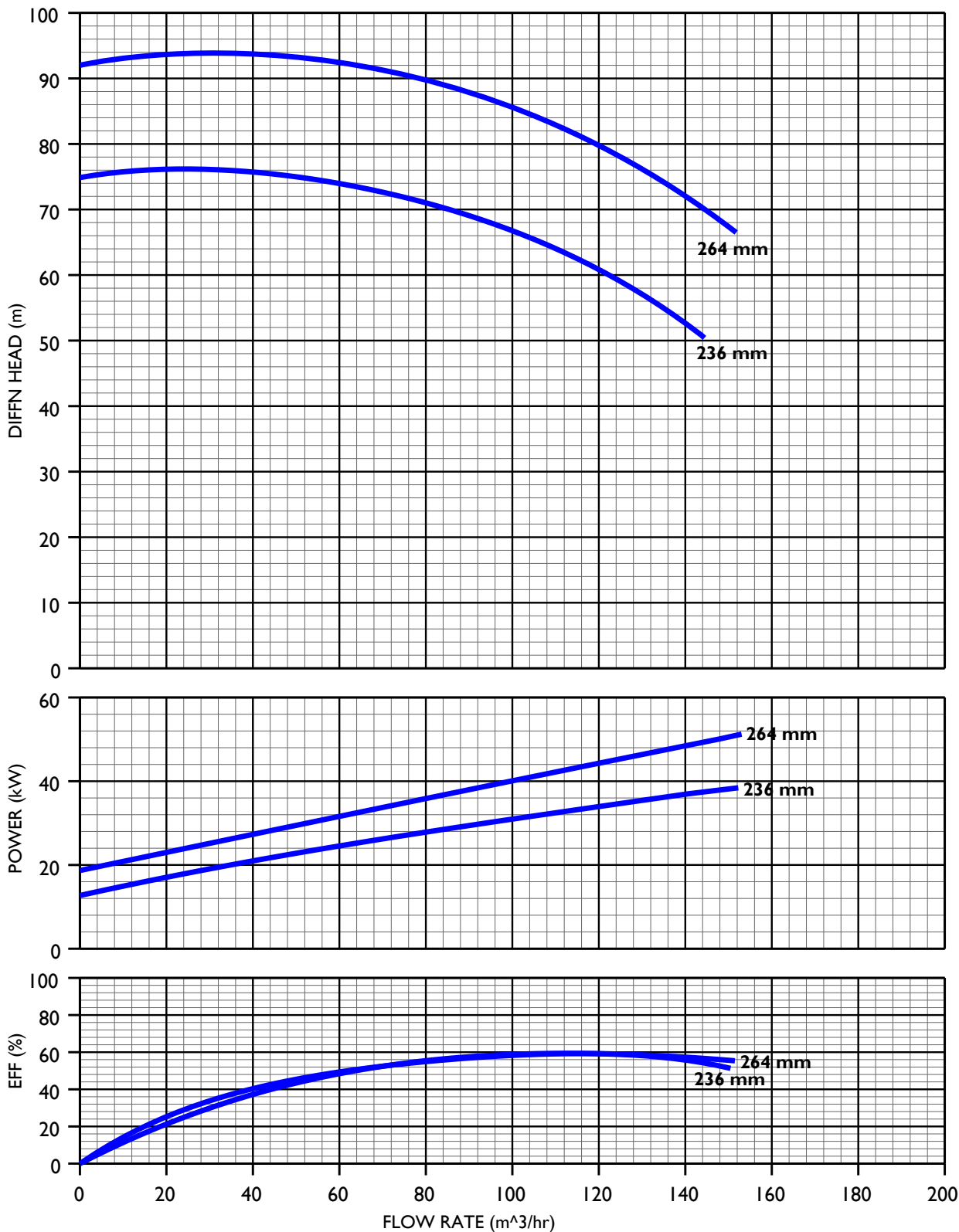
50 HZ - Electric Fire Pump



PUMP MODEL	AKS65-26E
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 250 US GPM

Rated Net Pressure: 106 - 134 psi



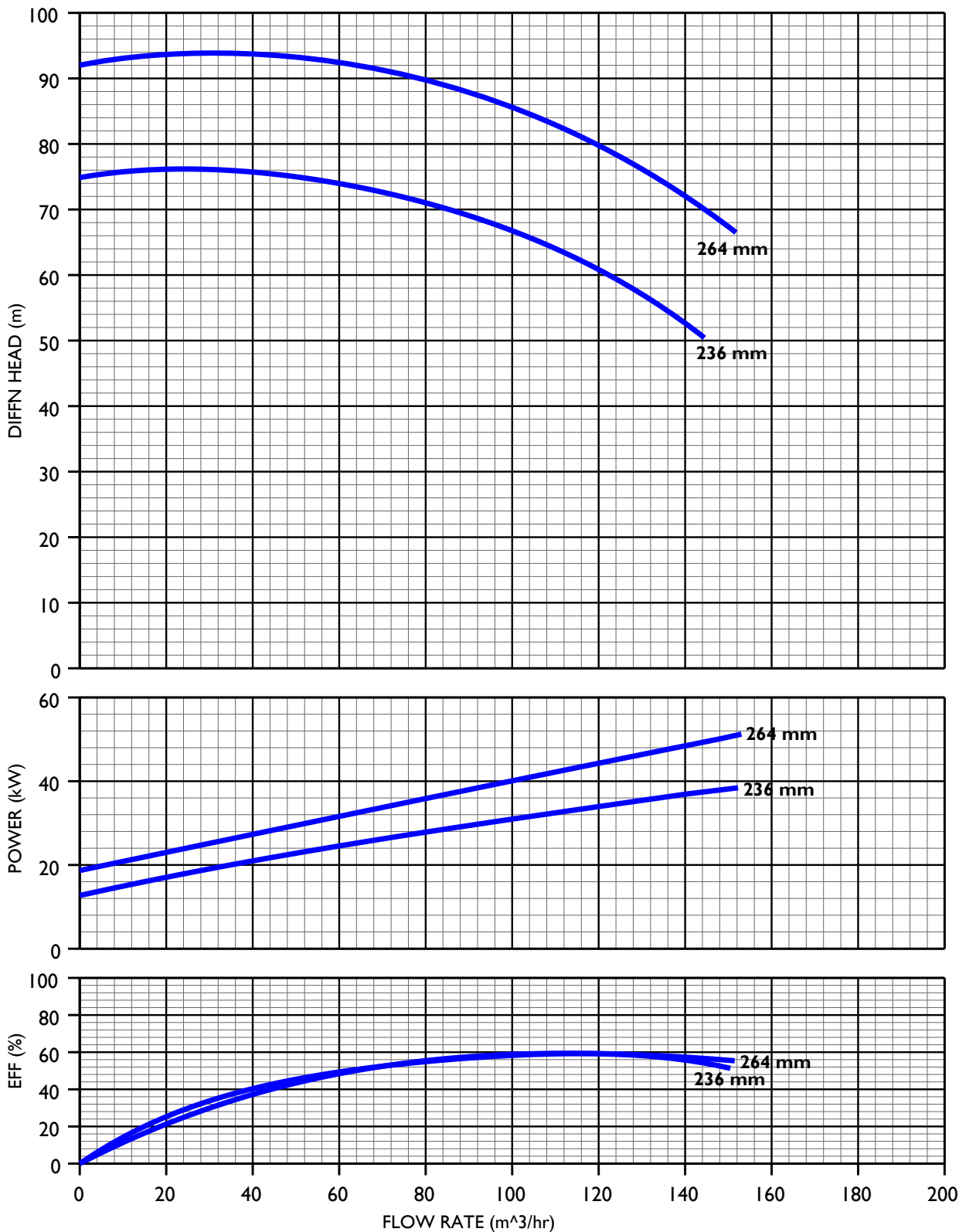
50 HZ - Electric Fire Pump



PUMP MODEL	AKS65-26E
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 300 US GPM

Rated Net Pressure: 104 - 131 psi



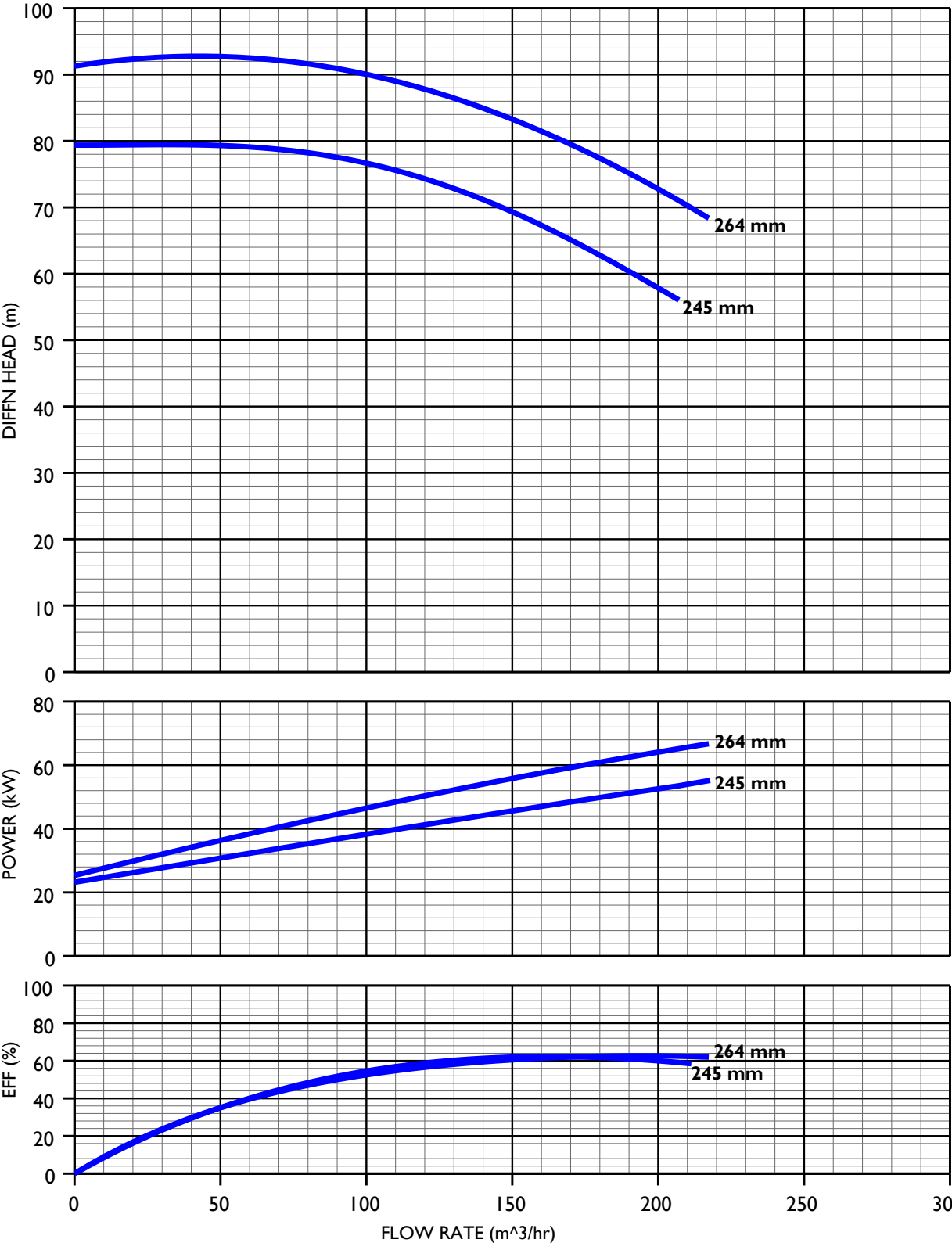
50 HZ - Electric Fire Pump



PUMP MODEL	AKS80-26E
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 400 US GPM

Rated Net Pressure: 110 - 128 psi



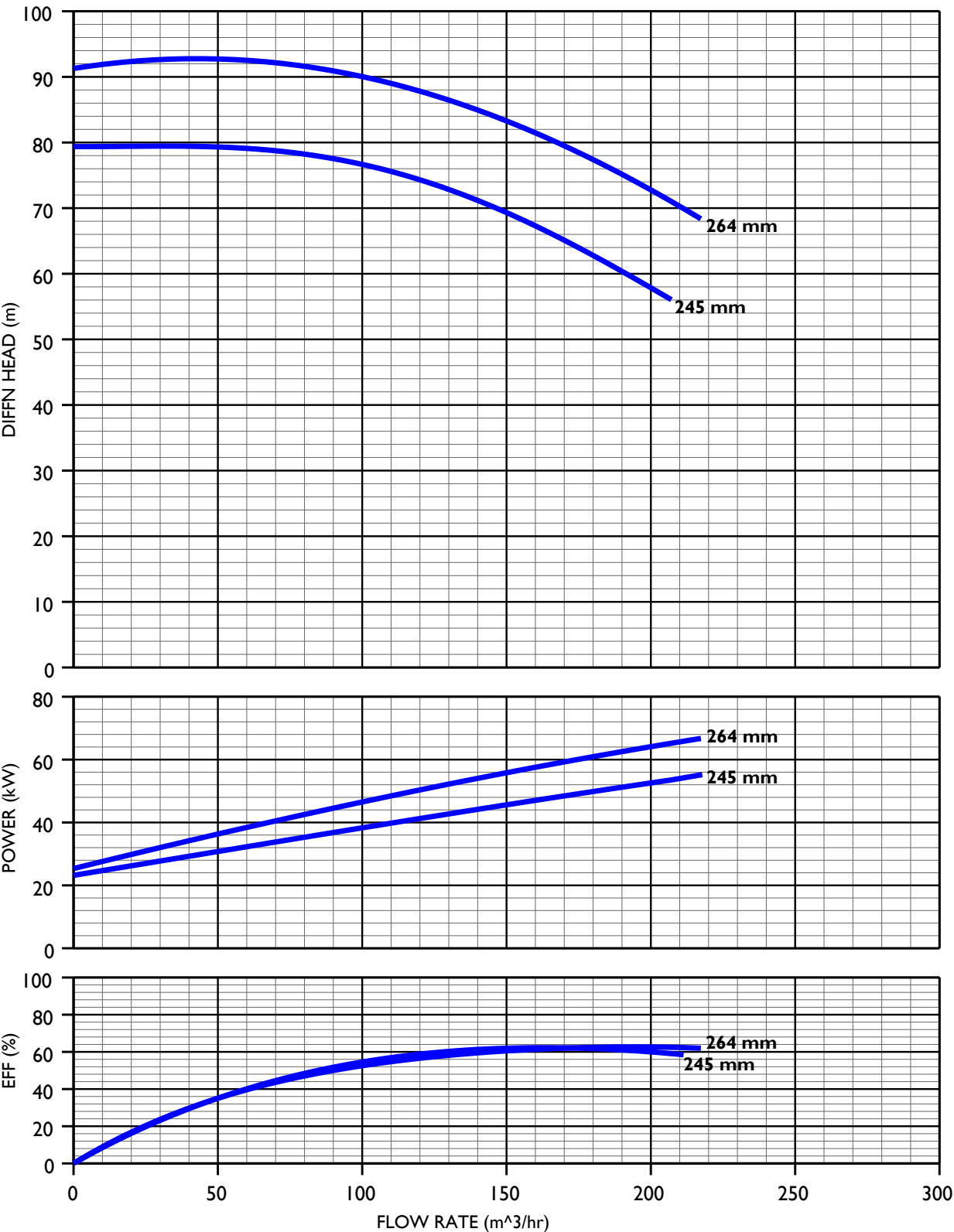
50 HZ - Electric Fire Pump



PUMP MODEL	AKS80-26E
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 450 US GPM

Rated Net Pressure: 108 - 127 psi



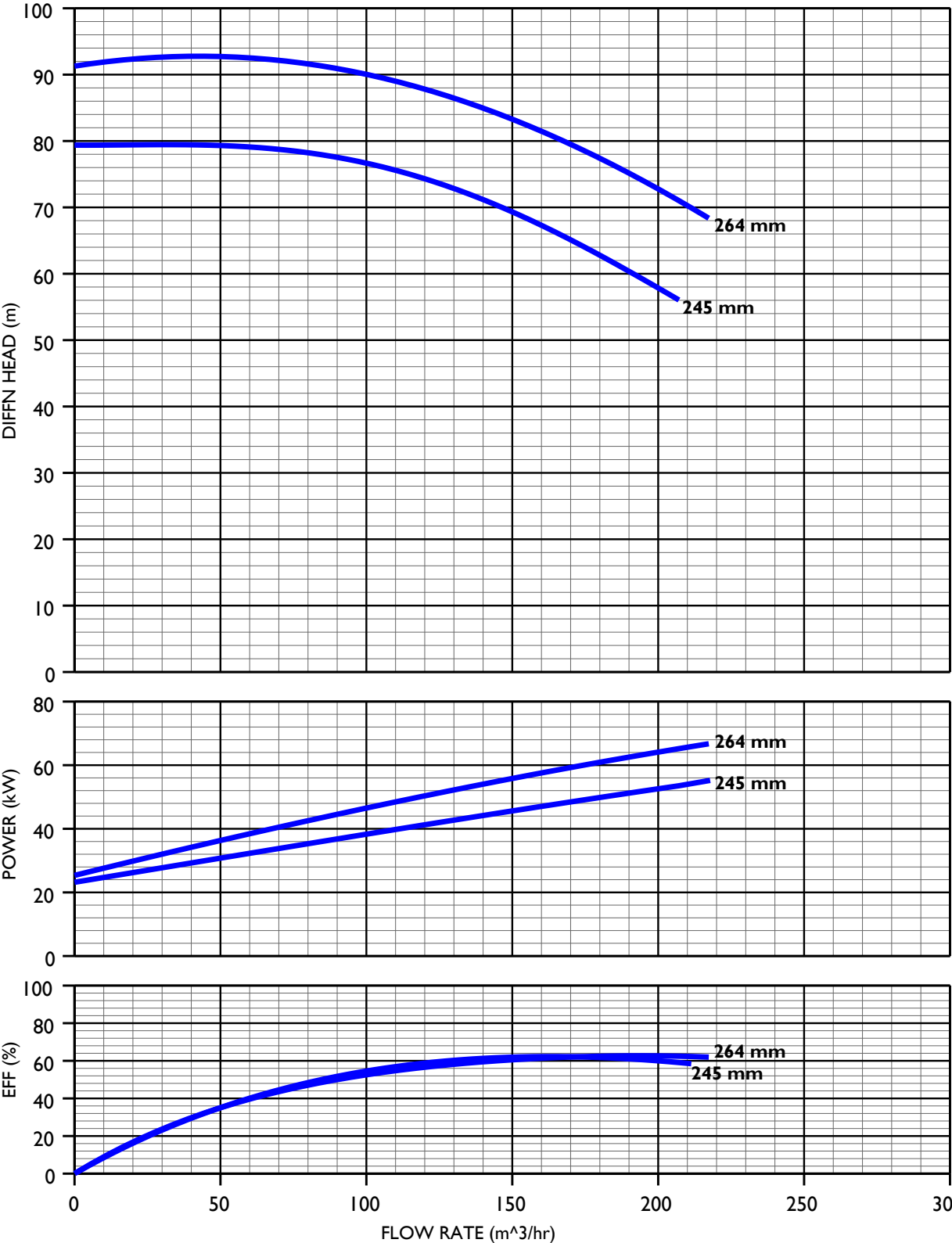
50 HZ - Electric Fire Pump



PUMP MODEL	AKS80-26E
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 500 US GPM

Rated Net Pressure: 107 - 126 psi



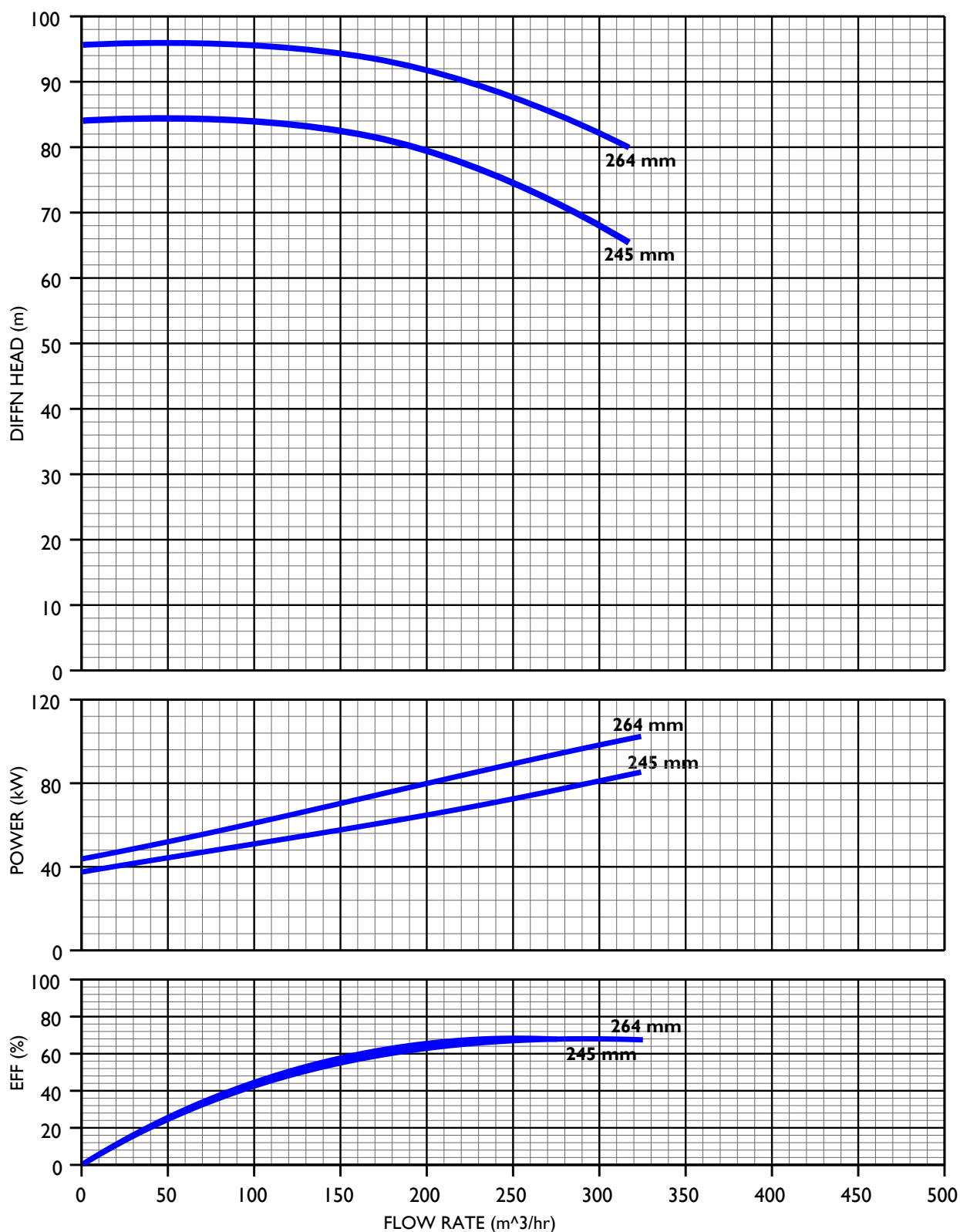
50 HZ - Electric Fire Pump



PUMP MODEL	AKS100-26EH
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 500 US GPM

Rated Net Pressure: 118 - 135 psi



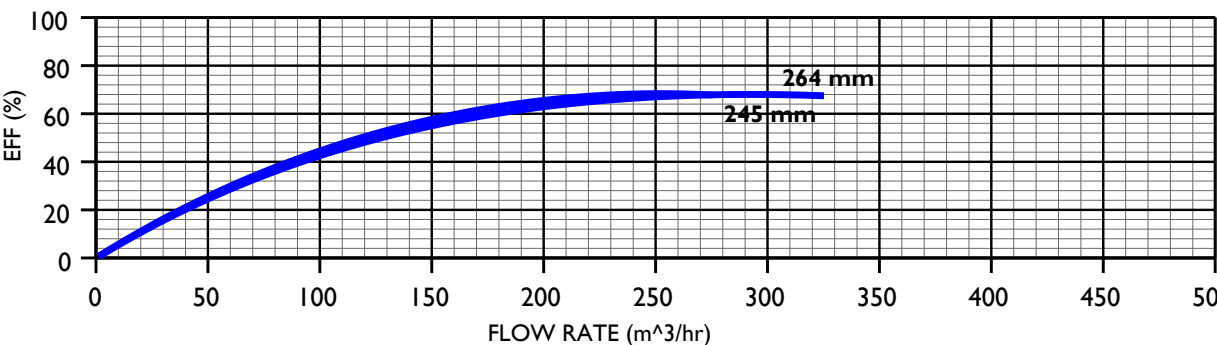
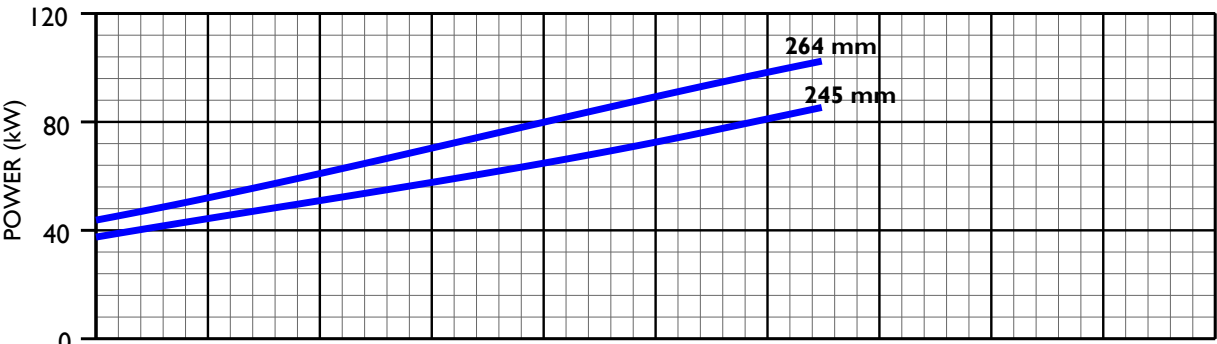
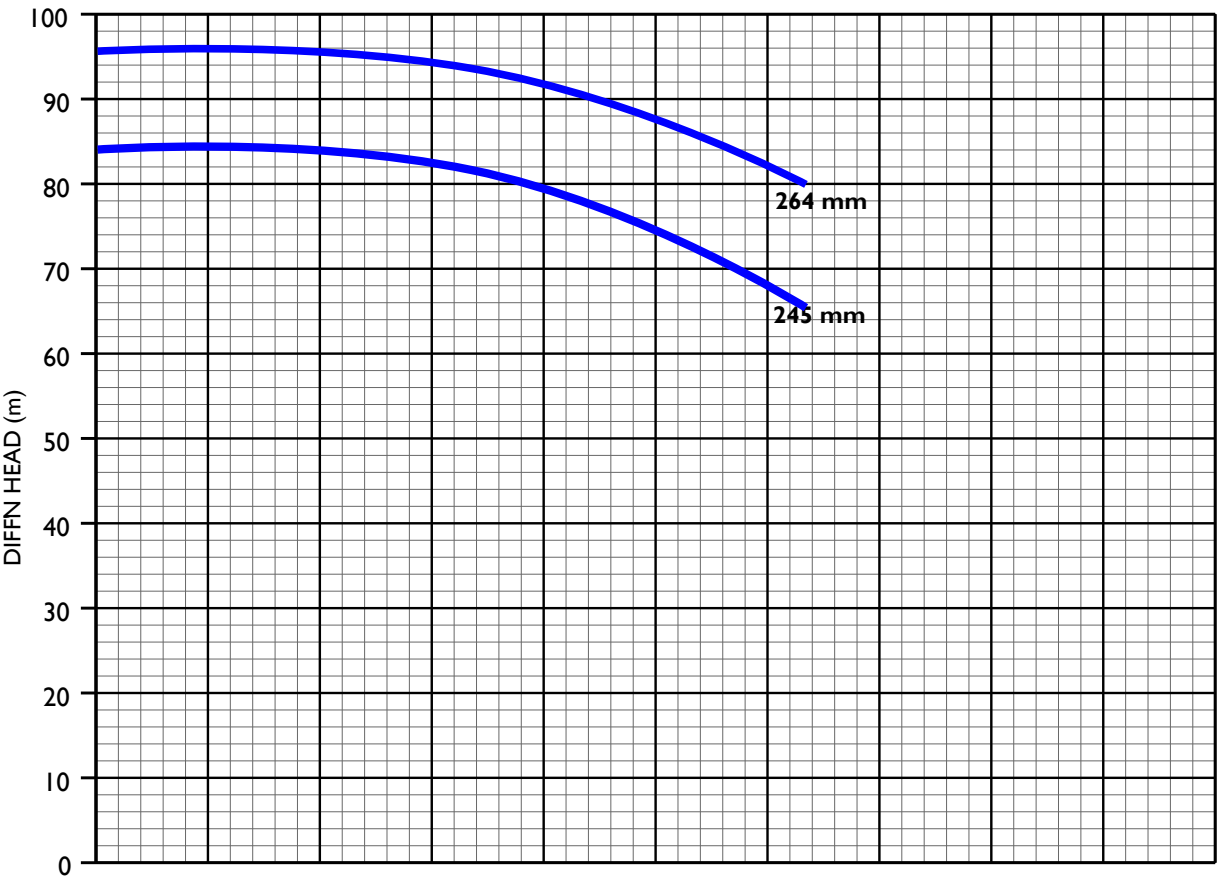
50 HZ - Electric Fire Pump



PUMP MODEL	AKS100-26EH
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 750 US GPM

Rated Net Pressure: 114 - 133 psi



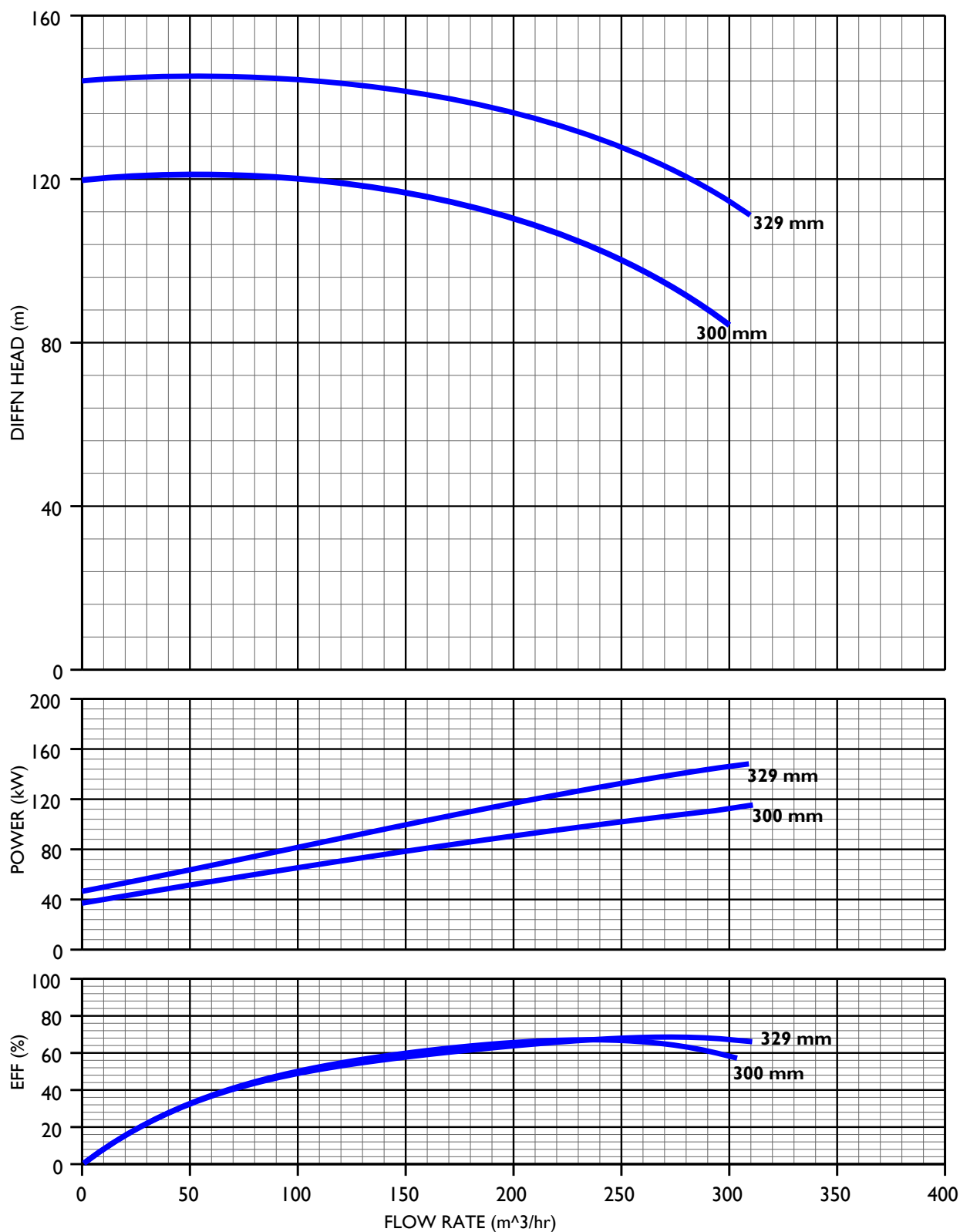
50 HZ - Electric Fire Pump



PUMP MODEL	AKS100-32EH
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 500 US GPM

Rated Net Pressure: 171 - 208 psi



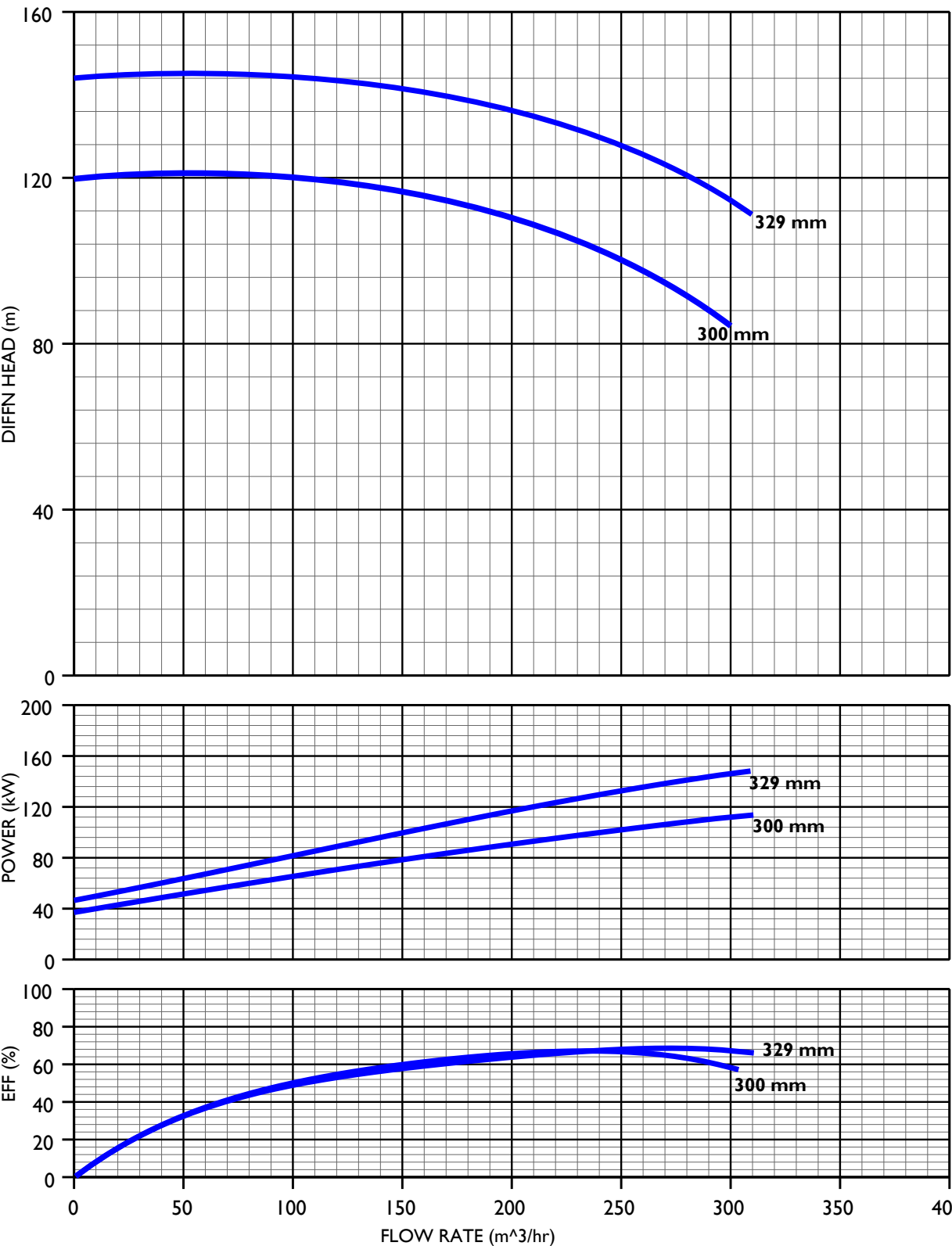
50 HZ - Electric Fire Pump



PUMP MODEL	AKS100-32EH
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

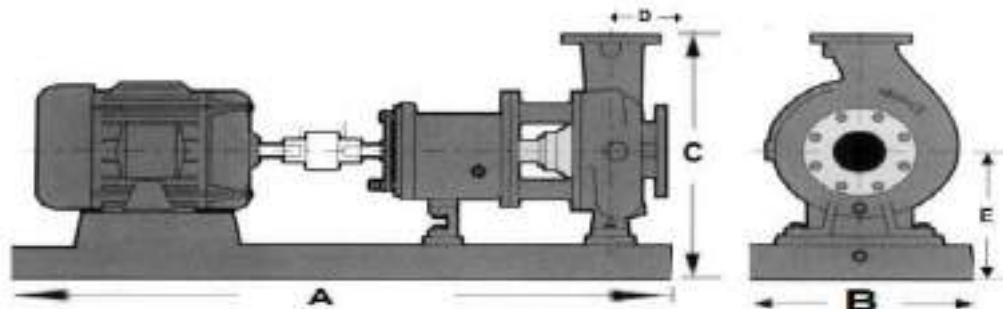
Rated Flow: 750 US GPM

Rated Net Pressure: 161 - 201 psi



UL Listed End suction pumps

Electrical Fire Pump Dimensional Data



PUMP MODEL	MOTOR FRAME	SUCTION (in)	DISCHARGE (in)	REFER
AKS-40-26	256T	2.5	1.5	A
	284TS			A
	286TS			B
AKS 50-26	256T	2.5	2	A
	284TS			A
	286TS			B
	324TS			B
AKS 65-26 E	286TS	3	2.5	C
	324TS			C
	326 TS			D
	365/5TS			D
AKS 80-26 E	326TS	4	3	E
	364/5TS			E
AKS 100-26EH	364/5TS	5	4	F
	404/5TS			G
AKS 100-32EH	404/5TS	5	4	H
	444/5TS			I

REFER	A (cm)	B (cm)	C (cm)	D (cm)	E (cm)
A	100	50	57.5	10.5	34.5
B	110	50	57.5	10.5	34.5
C	120	65	59	10.5	36.5
D	130	65	59	10.5	36.5
E	130	65	67.5	12.5	39
F	135	65	70.5	14.5	42
G	145	65	70.5	14.5	42
H	150	75	76	14	44
I	160	75	76	14	44

1. Pump's rotation is clockwise when viewed from the motor end.
2. Suction and discharge flanges are ASME 16.42 standard class 300.
3. Suction and discharge dimensions are in inches. All the other dimensions are in cm.

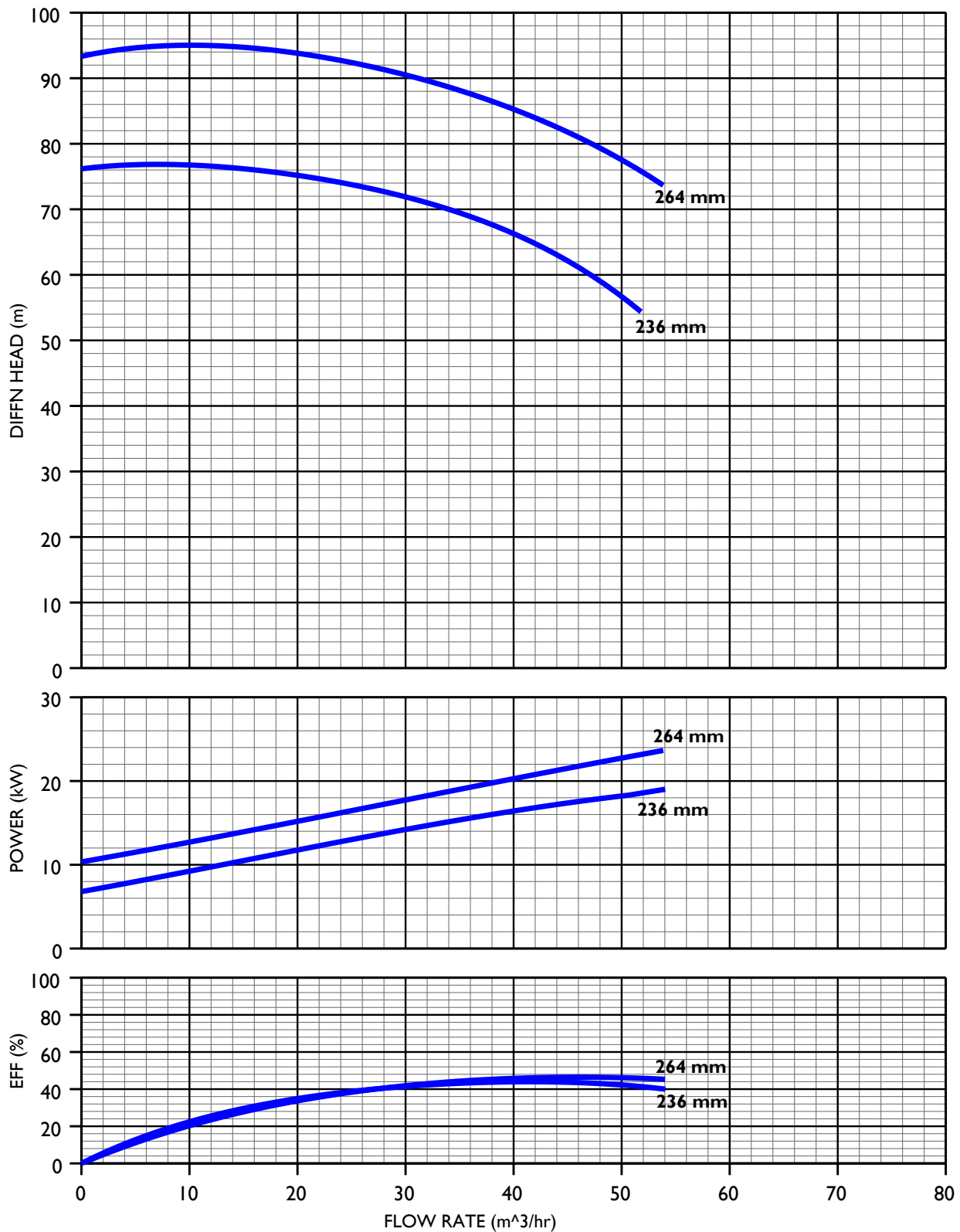
Diesel Fire Pump



PUMP MODEL	AKS-40-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 50 US GPM

Rated Net Pressure: 108 - 134 psi



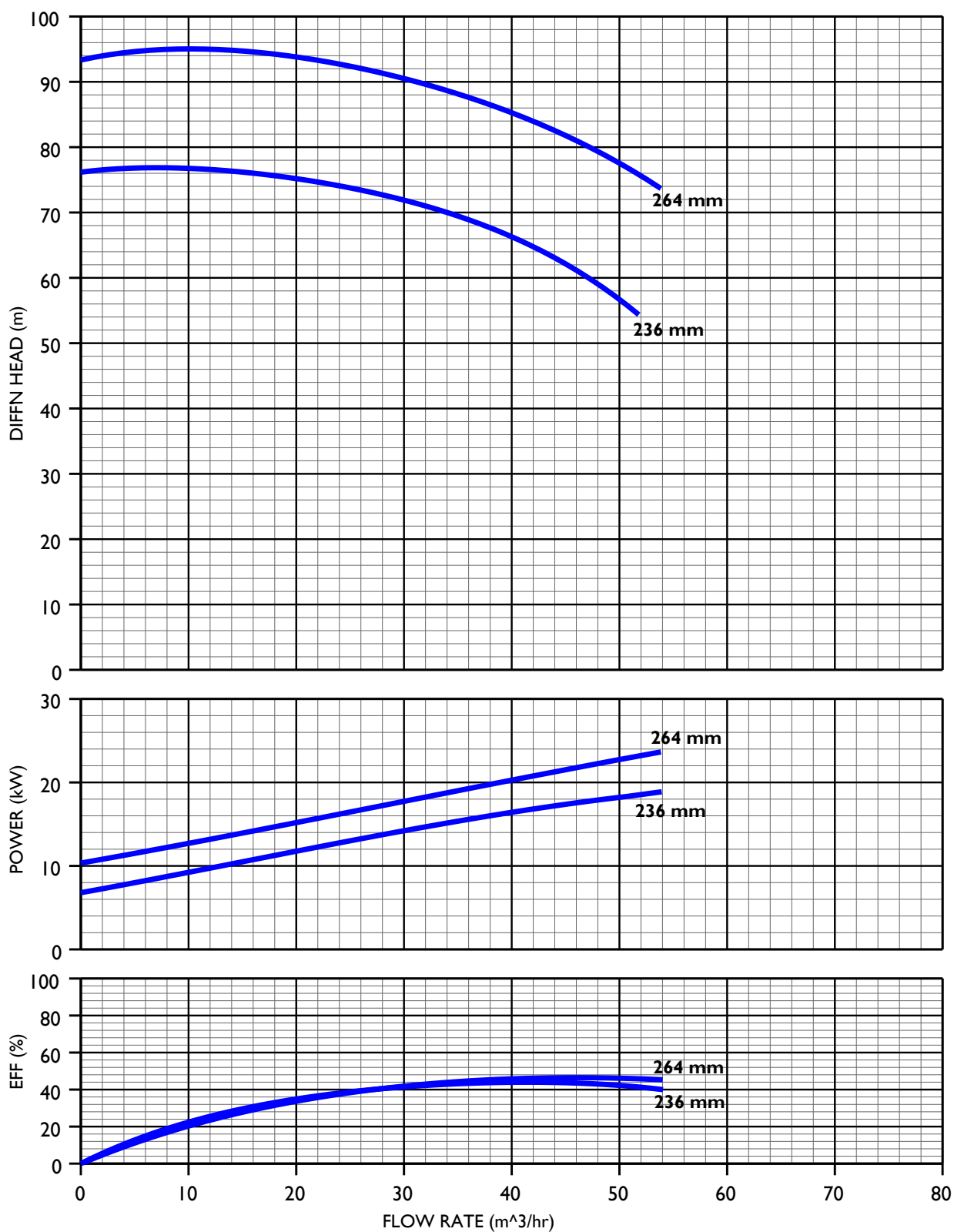
Diesel Fire Pump



PUMP MODEL	AKS-40-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 100 US GPM

Rated Net Pressure: 105 - 132 psi



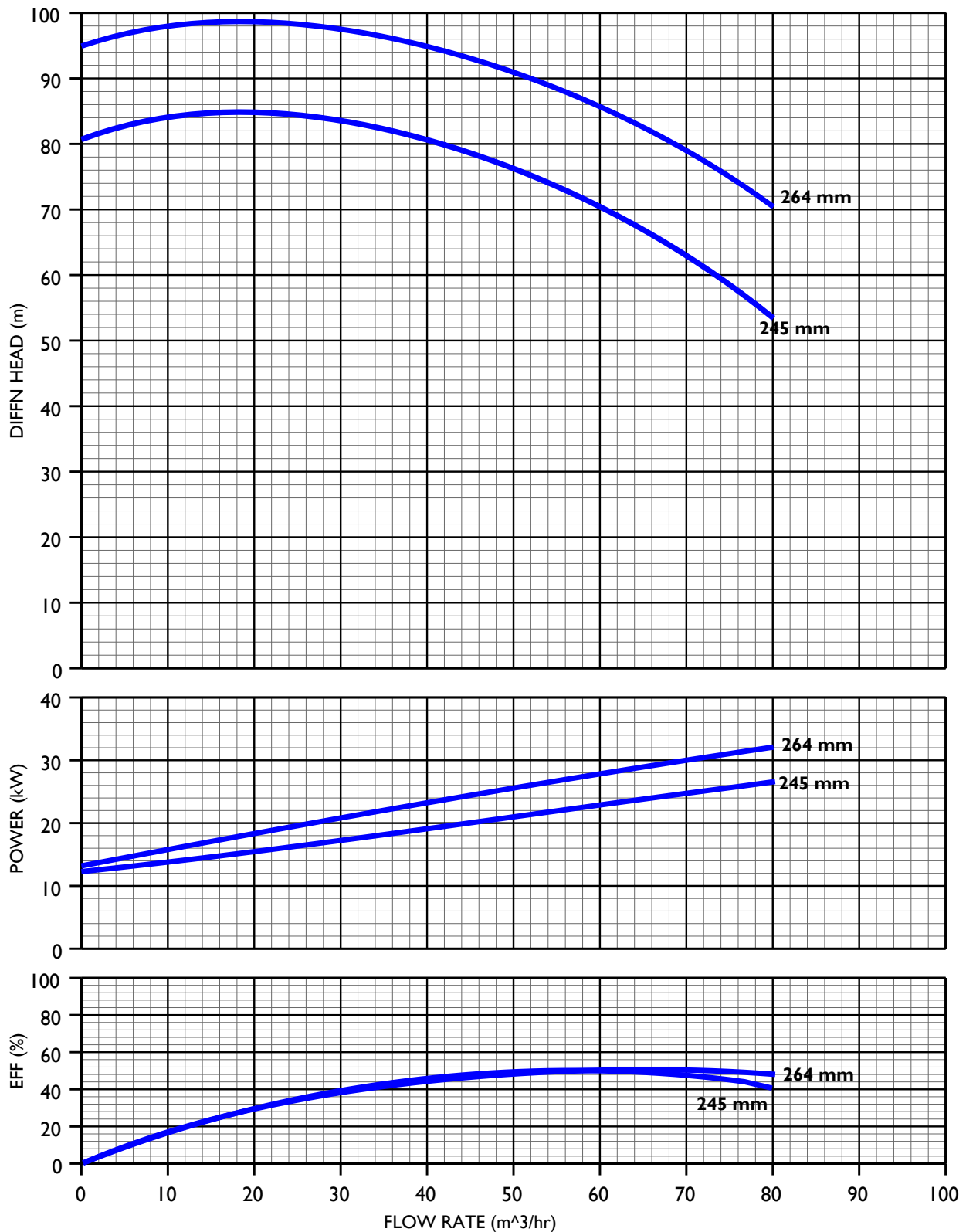
Diesel Fire Pump



PUMP MODEL	AKS50-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 50 US GPM

Rated Net Pressure: 118 - 139 psi



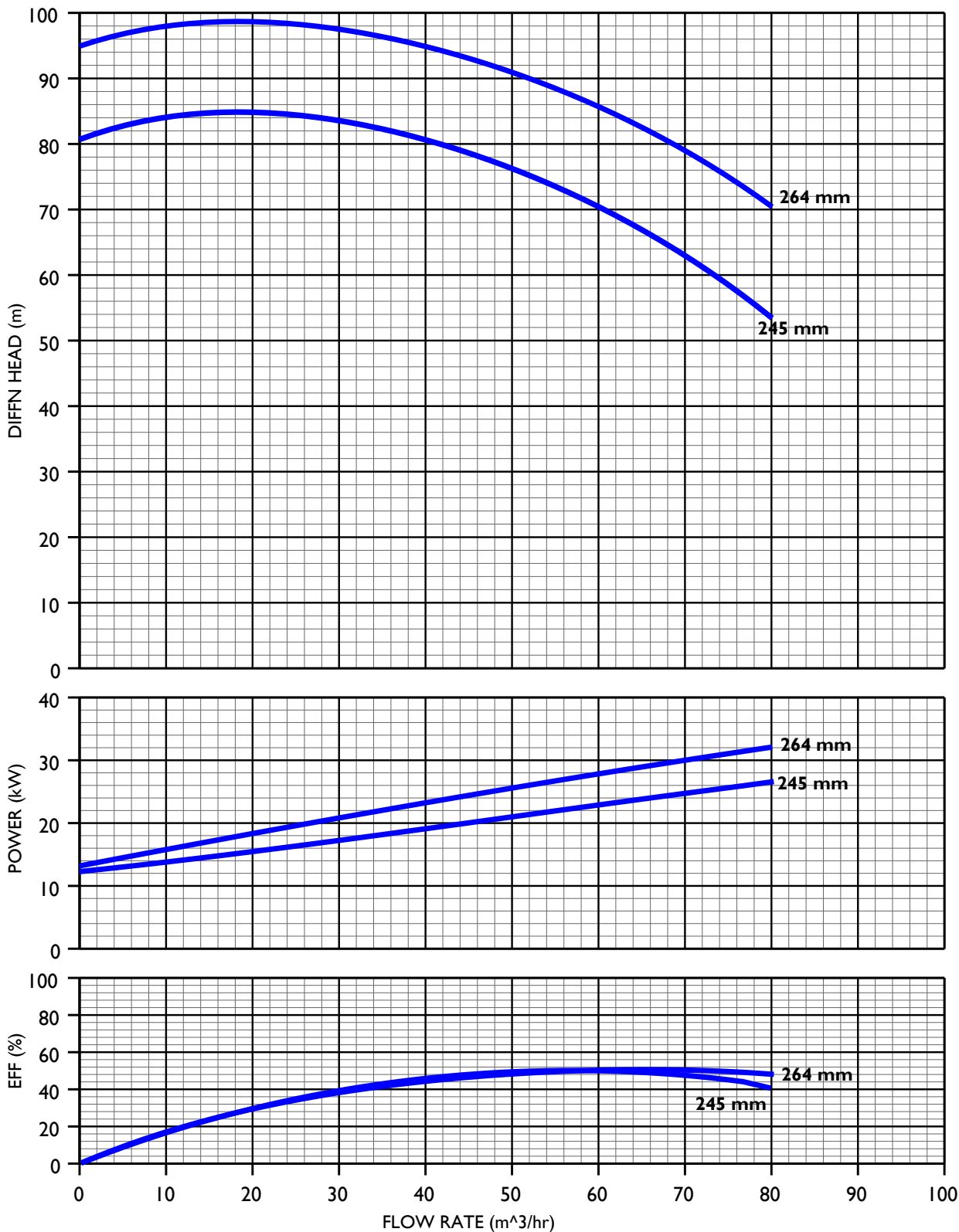
Diesel Fire Pump



PUMP MODEL	AKS50-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 100 US GPM

Rated Net Pressure: 120 - 139 psi



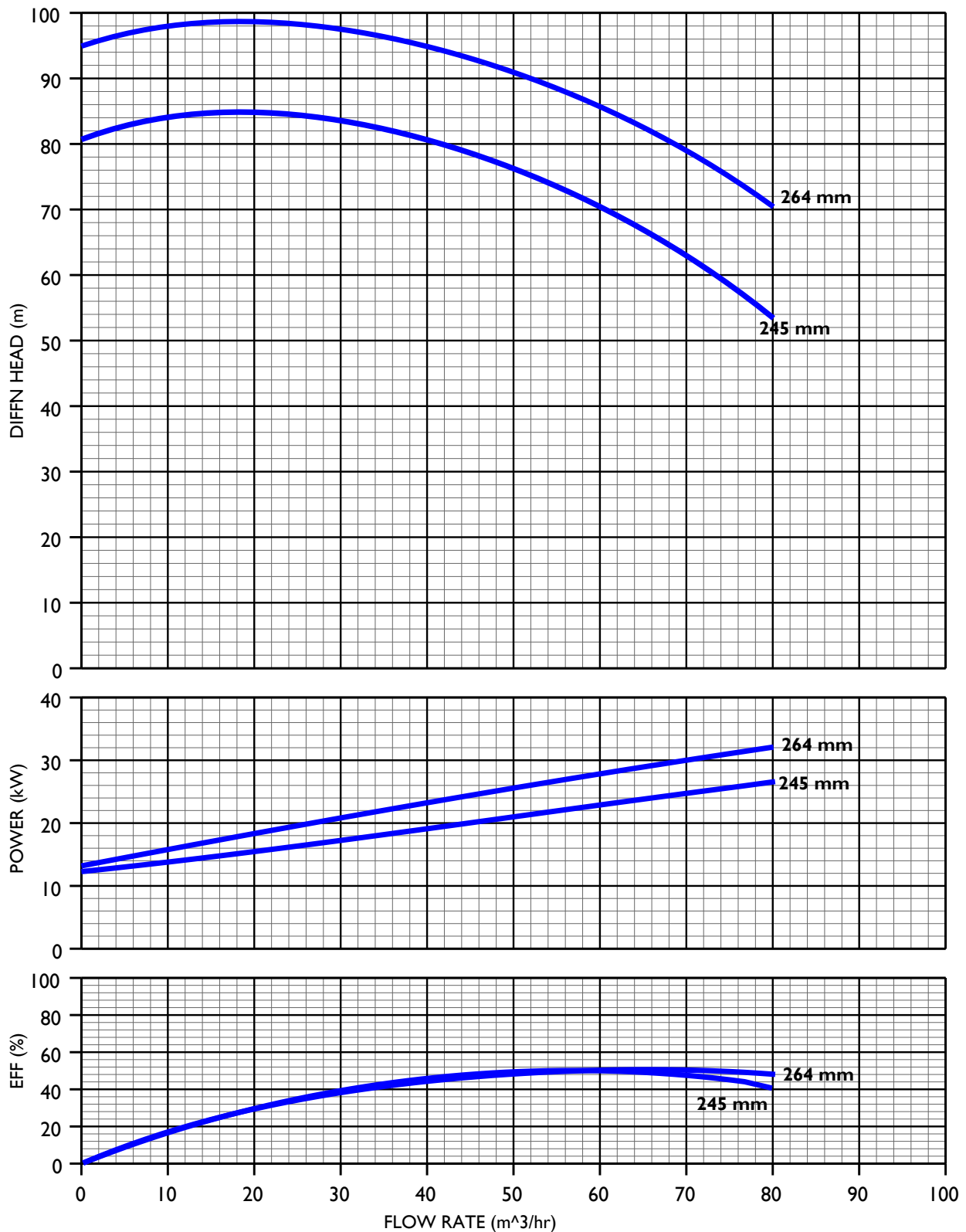
Diesel Fire Pump



PUMP MODEL	AKS50-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 150 US GPM

Rated Net Pressure: 116 - 138 psi



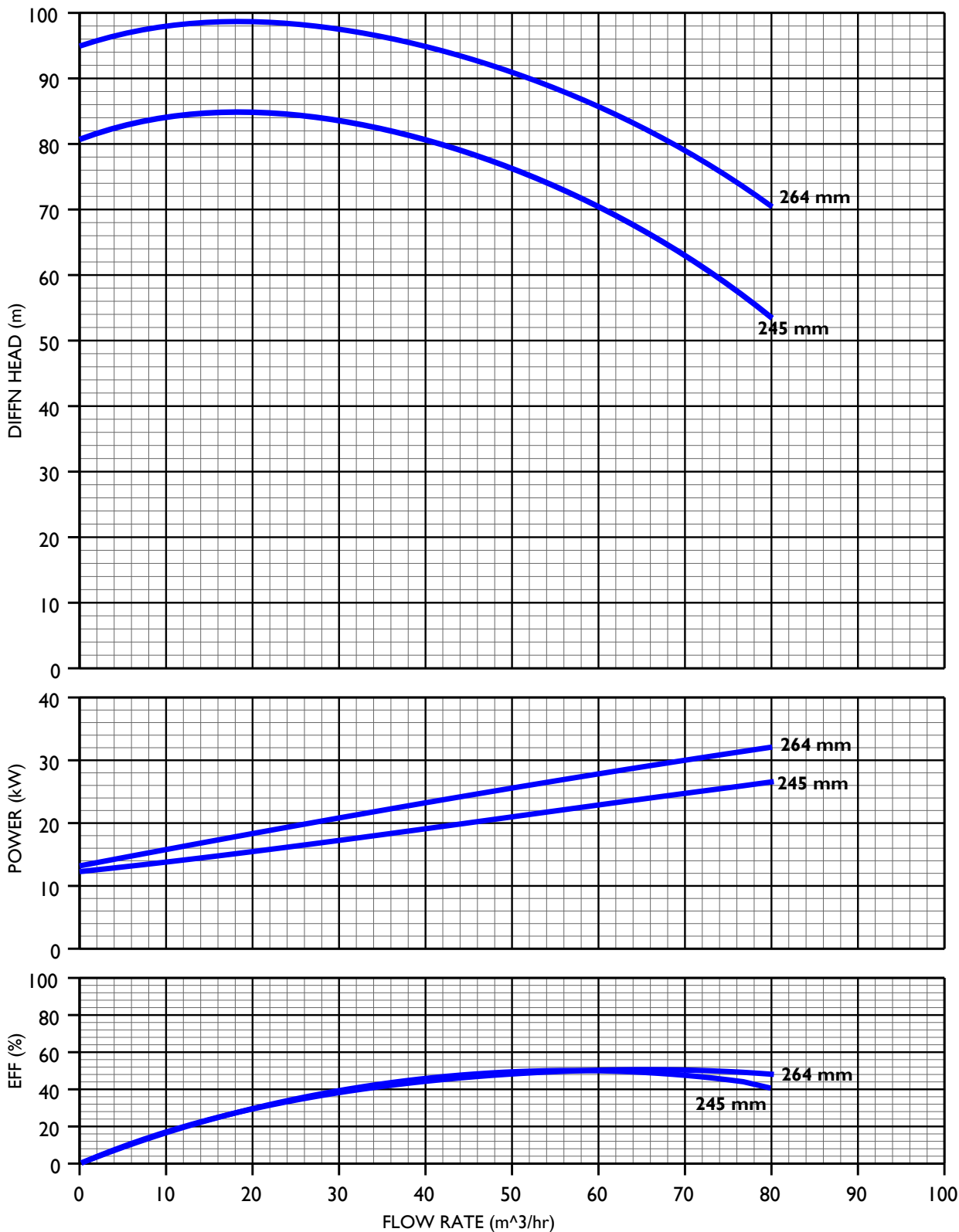
Diesel Fire Pump



PUMP MODEL	AKS50-26
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 200 US GPM

Rated Net Pressure: 109 - 131 psi



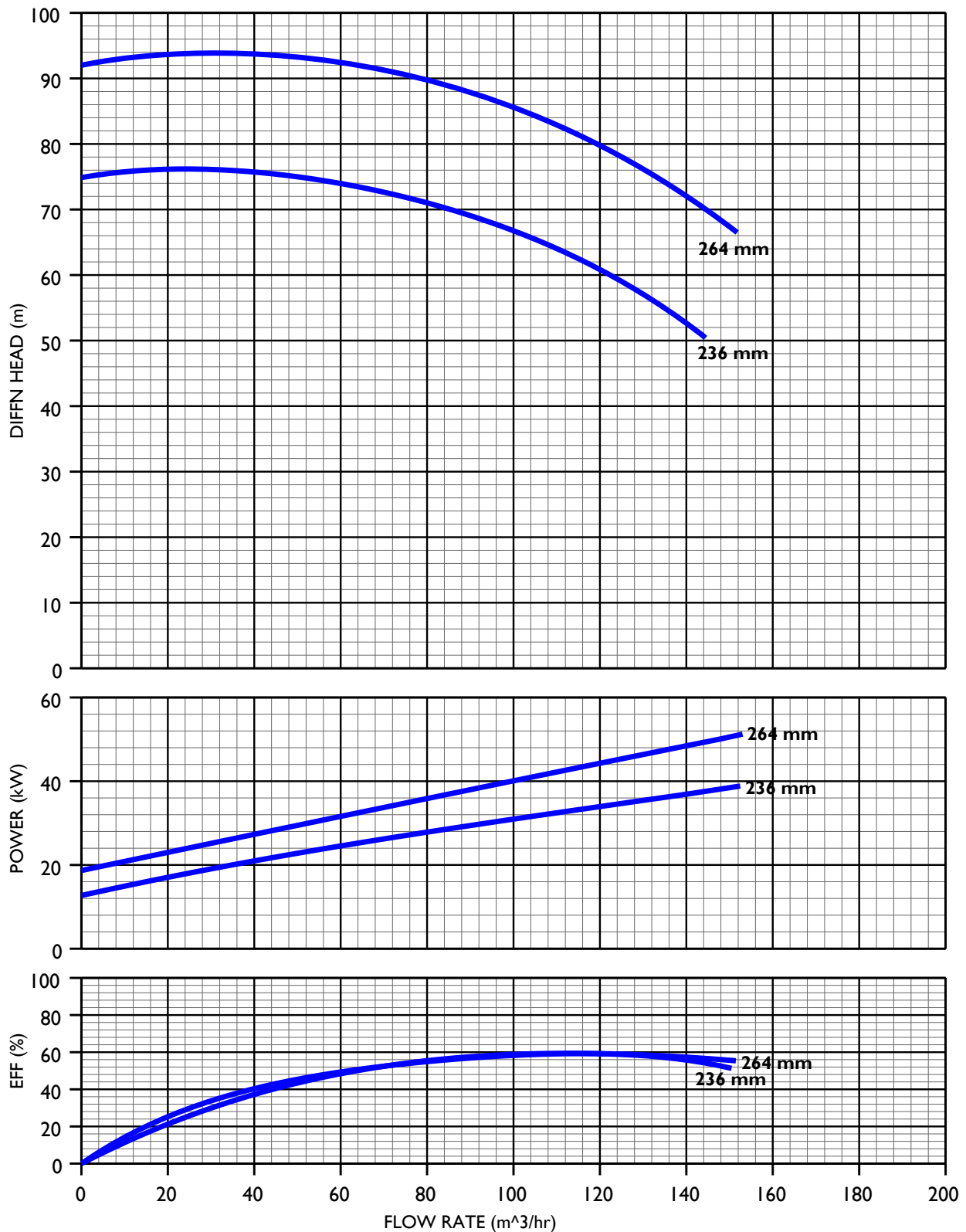
Diesel Fire Pump



PUMP MODEL	AKS65-26E
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 200 US GPM

Rated Net Pressure: 106 - 134 psi



Diesel Fire Pump



PUMP MODEL

AKS65-26E

PUMP SPEED

2900

MEDIUM

Fresh Water

APPLICATION

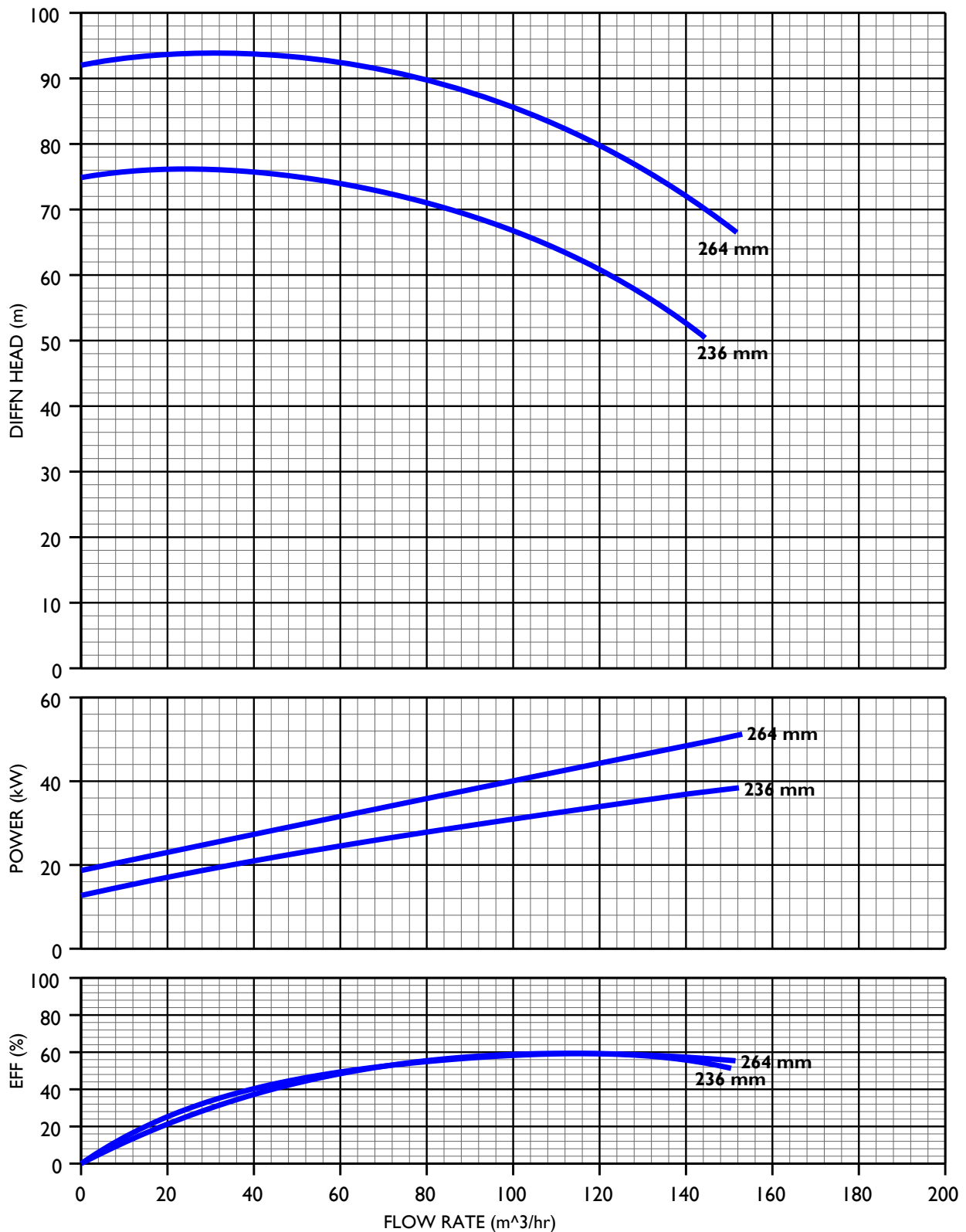
Fire Pumps

PUMP TYPE

End Suction

Rated Flow: 250 US GPM

Rated Net Pressure: 106 - 134 psi



Diesel Fire Pump



PUMP MODEL

AKS65-26E

PUMP SPEED

2900

MEDIUM

Fresh Water

APPLICATION

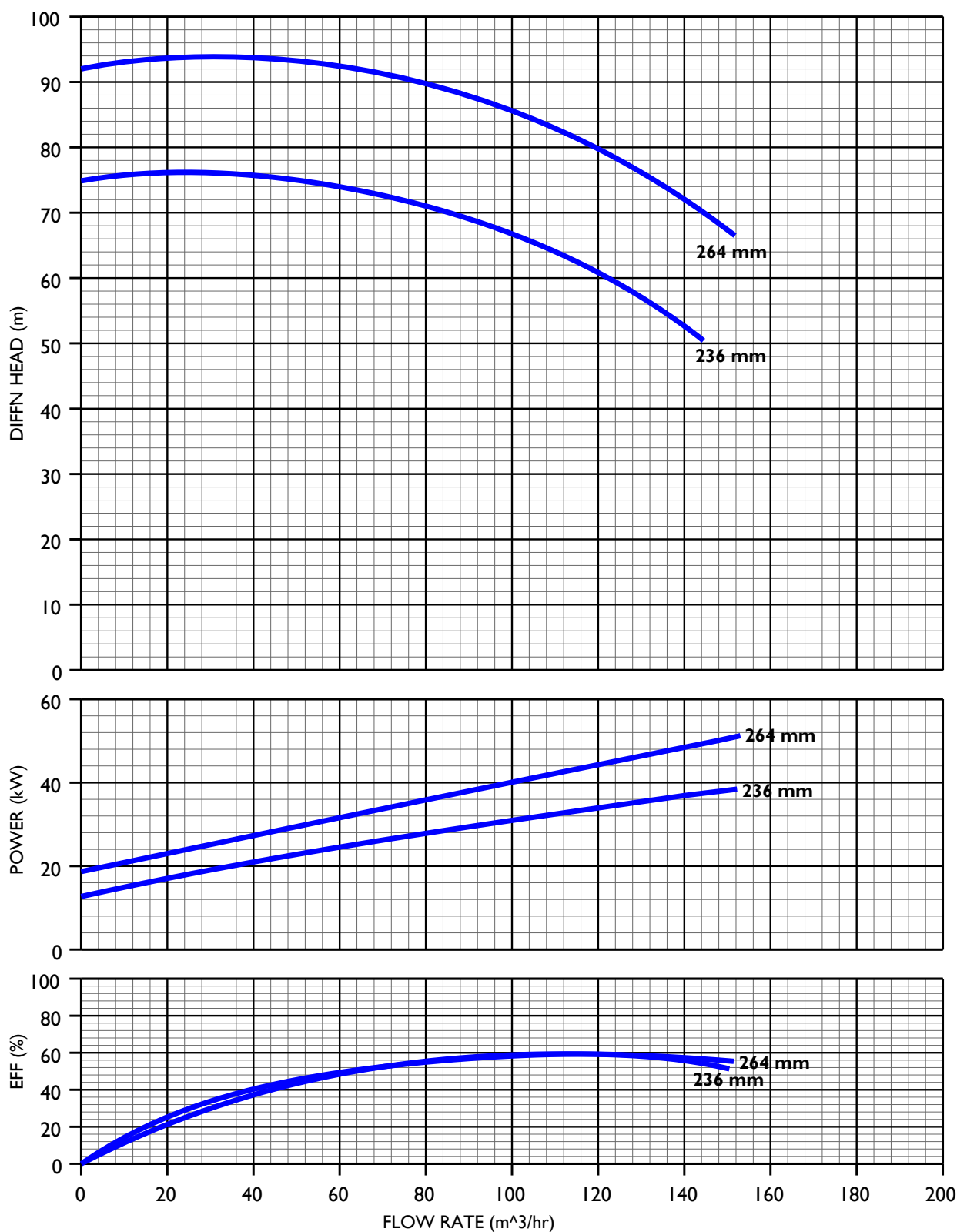
Fire Pumps

PUMP TYPE

End Suction

Rated Flow: 300 US GPM

Rated Net Pressure: 104 - 131 psi



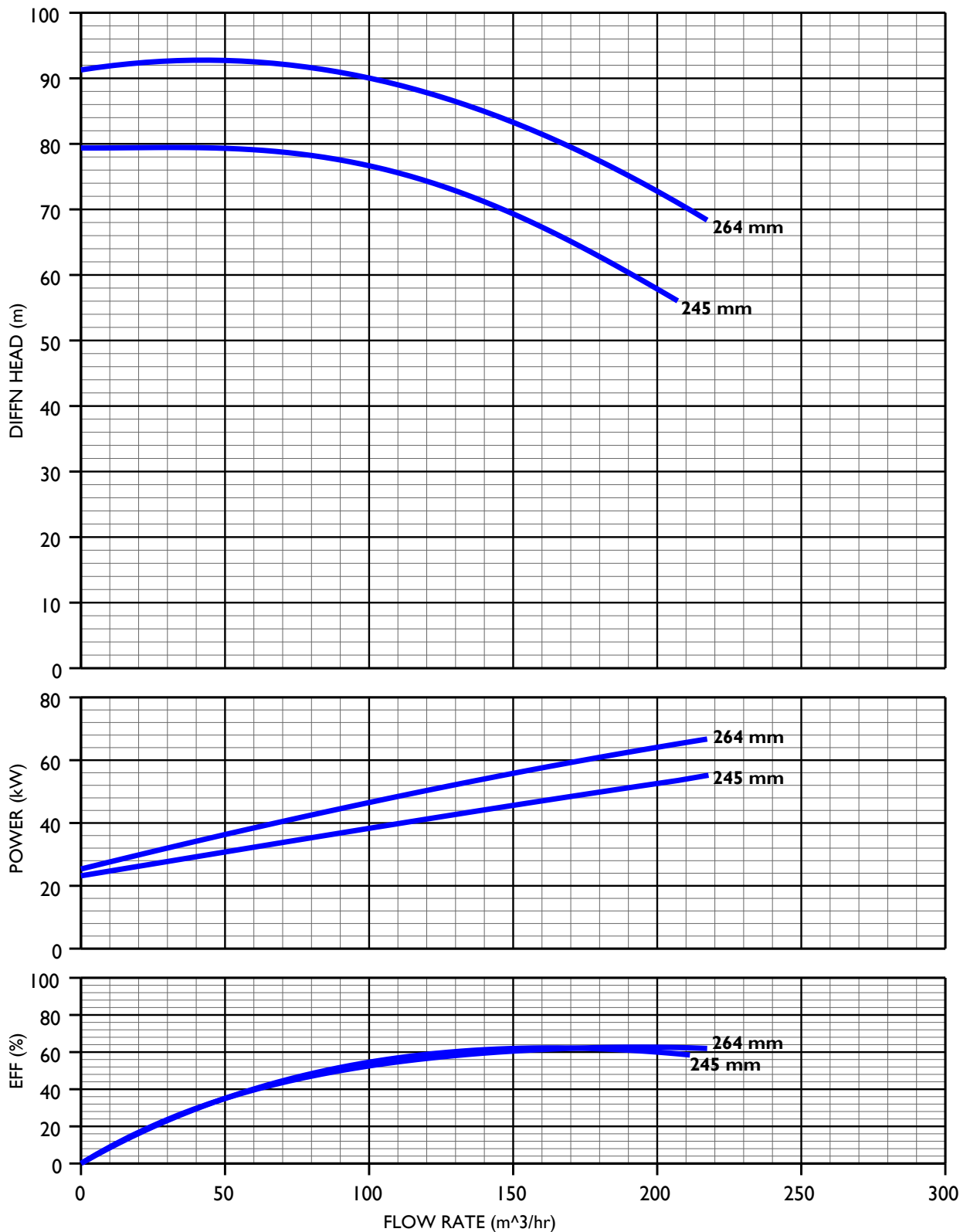
Diesel Fire Pump



PUMP MODEL	AKS80-26E
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 400 US GPM

Rated Net Pressure: 110 - 128 psi



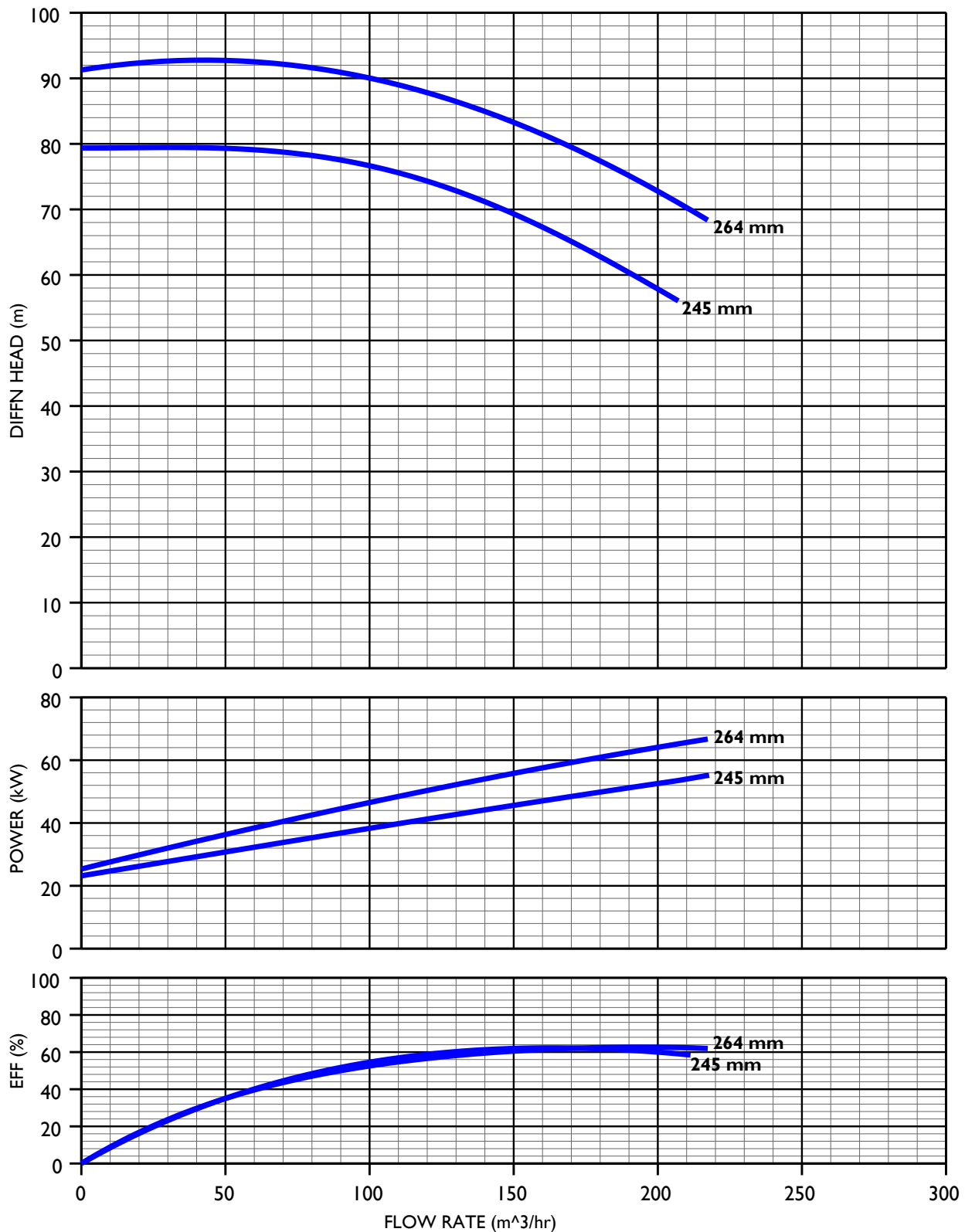
Diesel Fire Pump



PUMP MODEL	AKS80-26E
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 450 US GPM

Rated Net Pressure: 108 - 127 psi



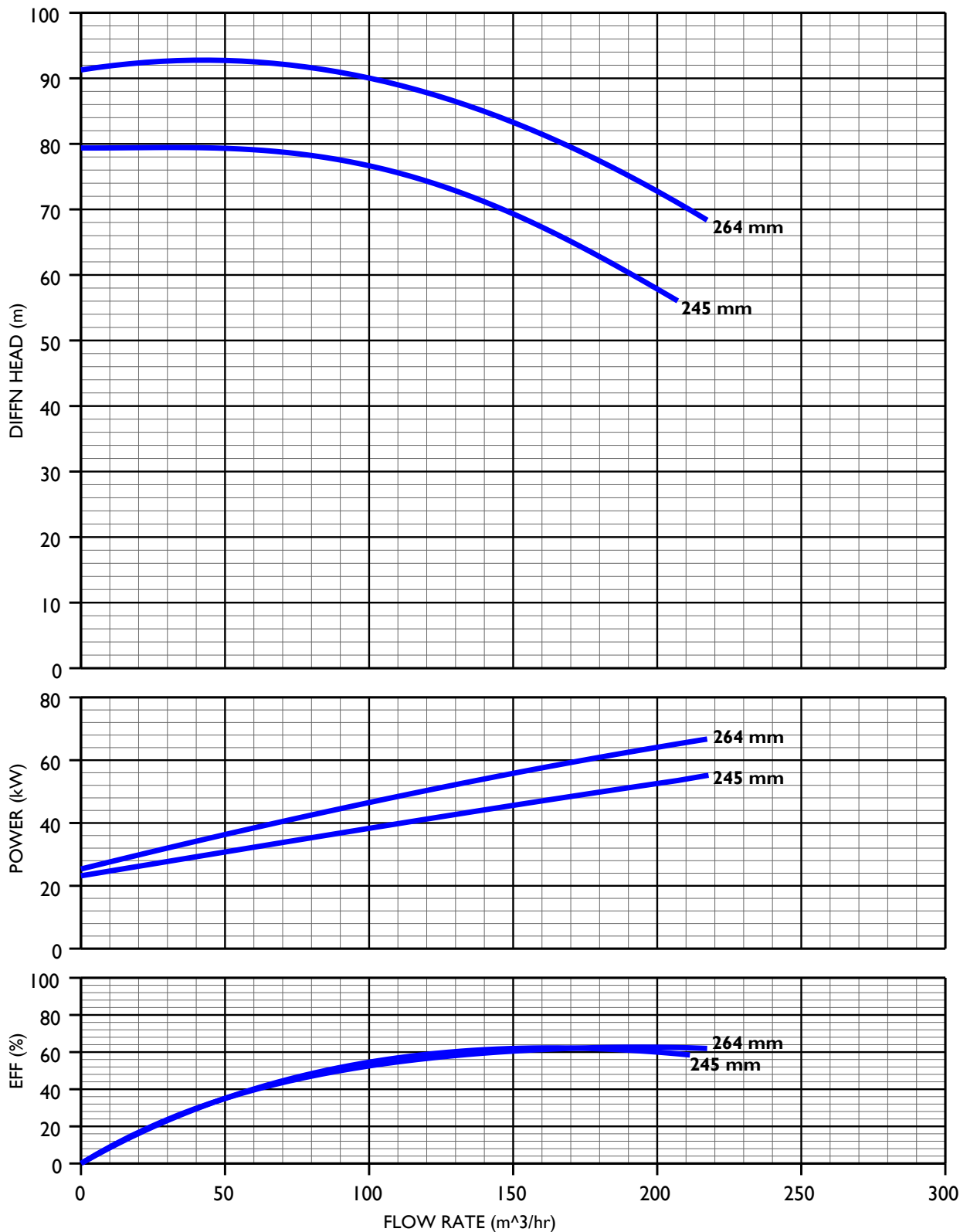
Diesel Fire Pump



PUMP MODEL	AKS80-26E
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 500 US GPM

Rated Net Pressure: 107 - 126 psi



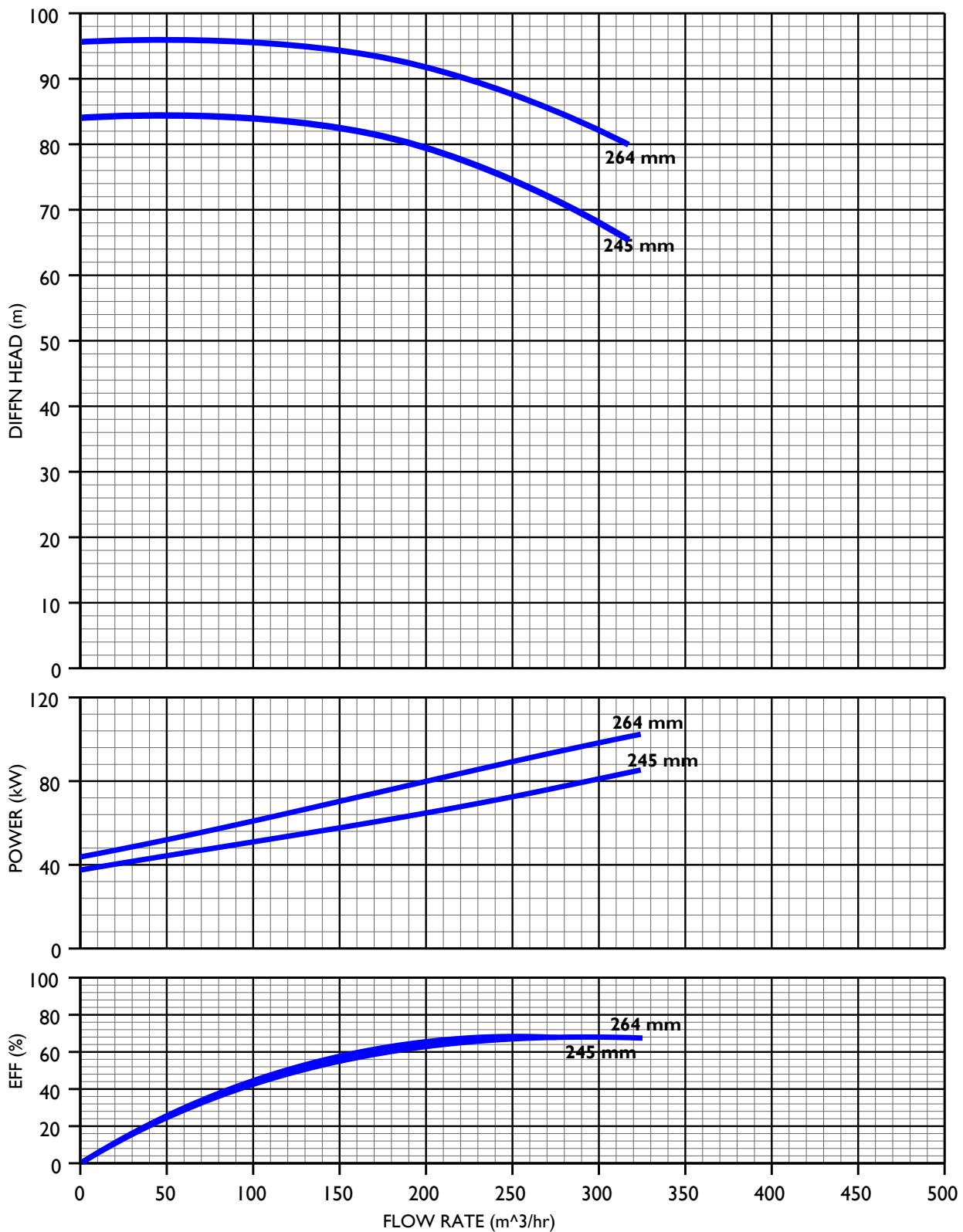
Diesel Fire Pump



PUMP MODEL	AKS100-26EH
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 500 US GPM

Rated Net Pressure: 118 - 135 psi



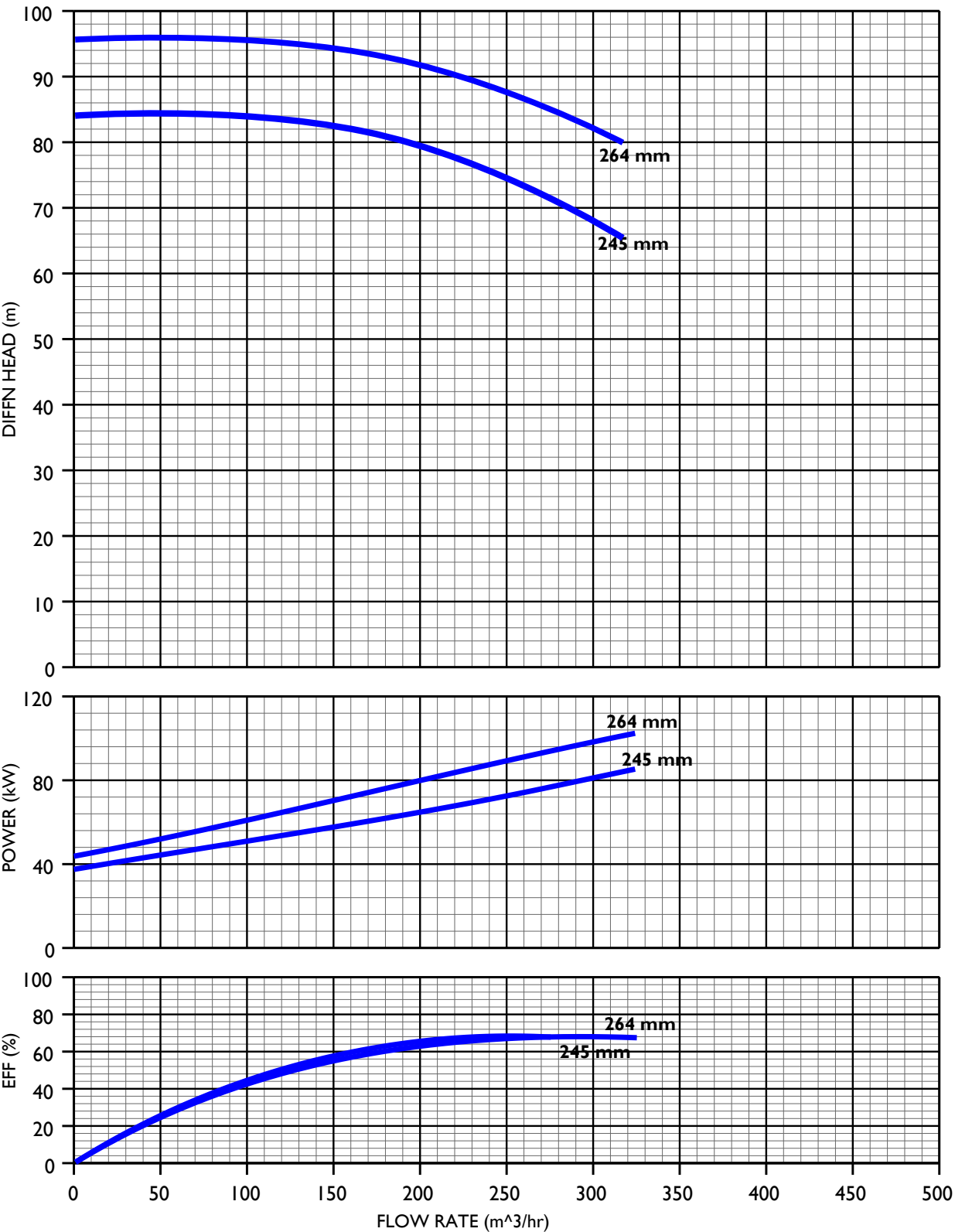
Diesel Fire Pump



PUMP MODEL	AKS100-26EH
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 750 US GPM

Rated Net Pressure: 114 - 133 psi



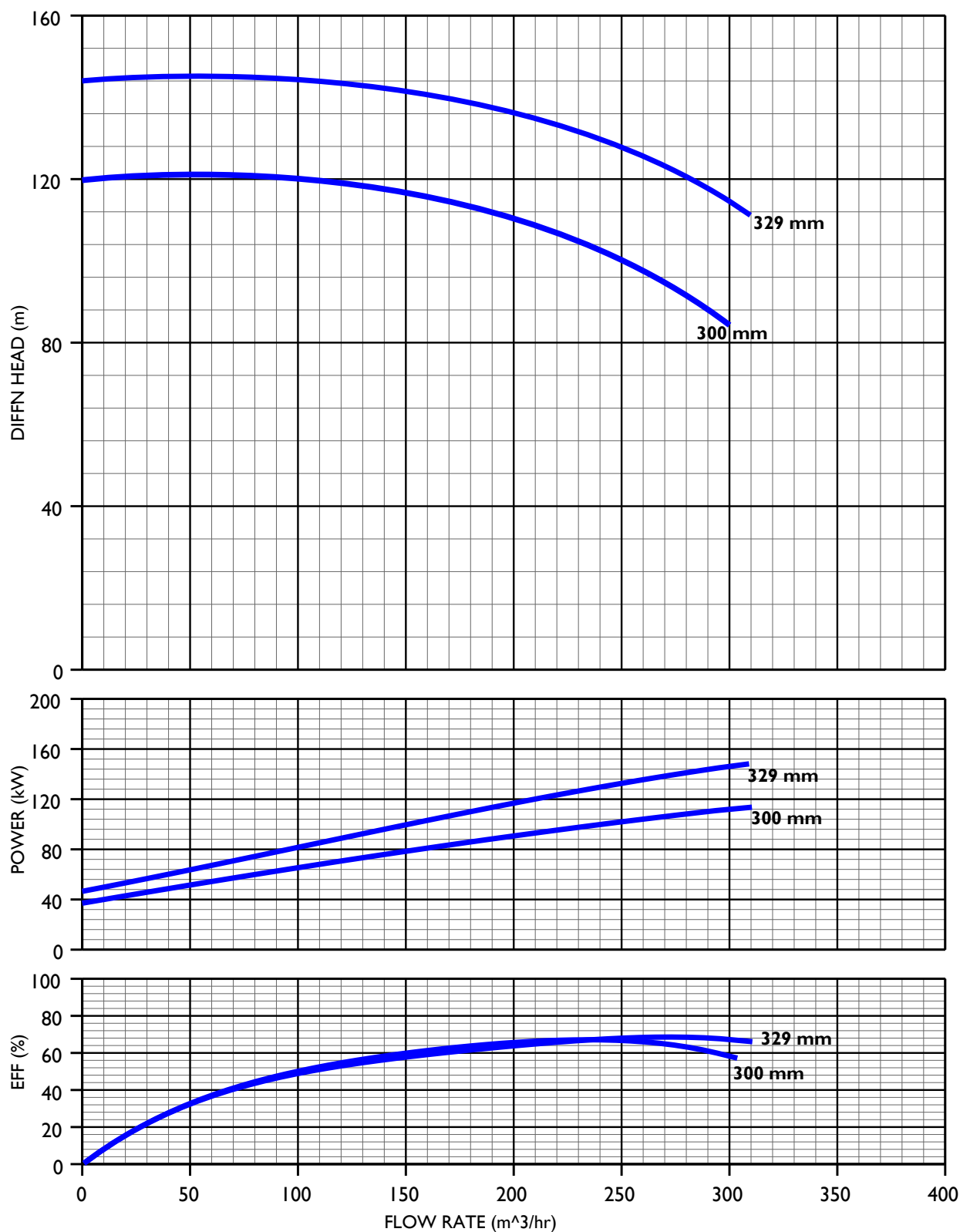
Diesel Fire Pump



PUMP MODEL	AKS100-32EH
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

Rated Flow: 500 US GPM

Rated Net Pressure: 171 - 208 psi



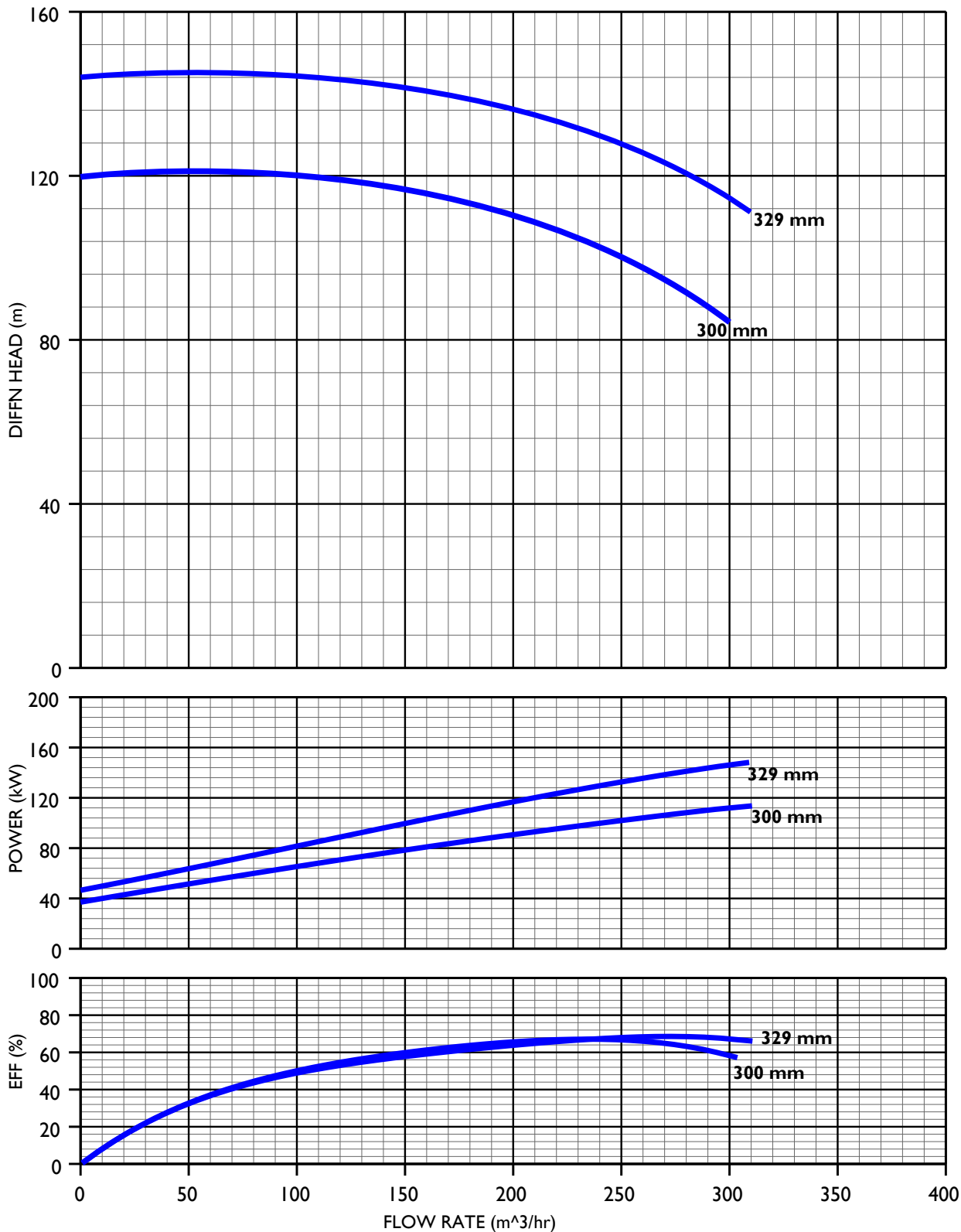
Diesel Fire Pump



PUMP MODEL	AKS100-32EH
PUMP SPEED	2900
MEDIUM	Fresh Water
APPLICATION	Fire Pumps
PUMP TYPE	End Suction

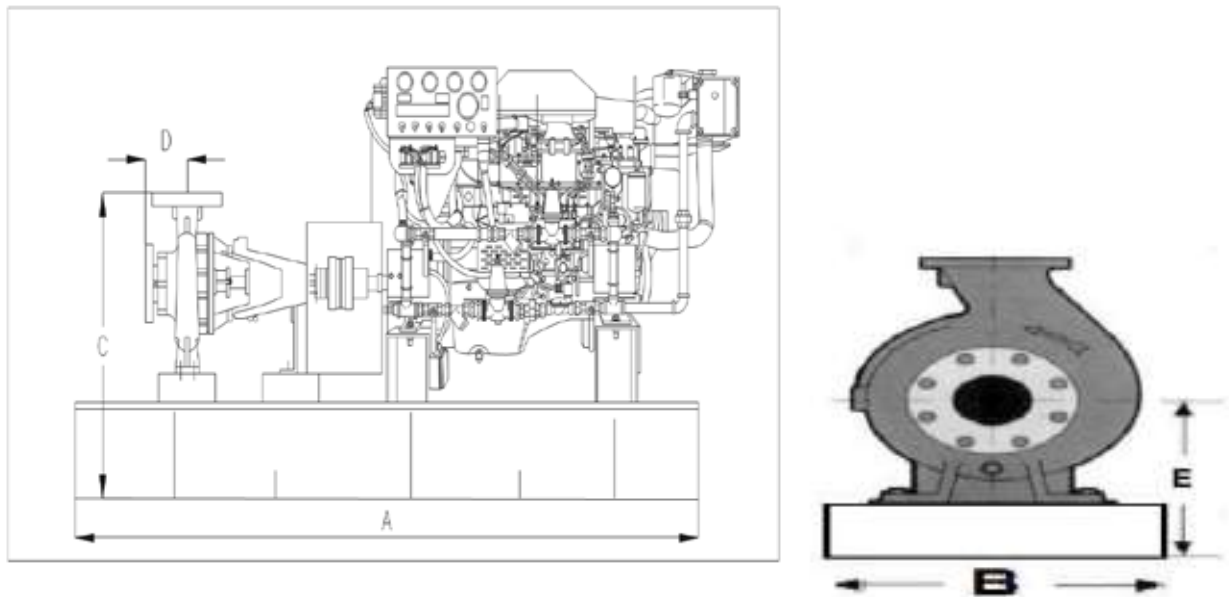
Rated Flow: 750 US GPM

Rated Net Pressure: 161 - 201 psi



UL Listed End suction pumps

Diesel fire pump Dimensional Data



PUMP MODEL	SUCTION (in)	DISCHARGE (in)	MANUFACTURER	ENGINE MODEL	REFER
AKS-40-26	2.5	1.5	CLARKE	KA4H-UFKA24	A
AKS 50-26	2.5	2	CLARKE	KA4H-UFKA24	A
AKS 65-26E	3	2.5	CLARKE	KA4H-UFKA24	B
				JU4H-UF04	C
AKS 80-26E	4	3	CLARKE	JU4H-UF04	D
				JU4H-UF24	D
AKS 100-26EH	5	4	CLARKE	JU4H-UF24	E
				JU4H-UF34	E
				JU4H-UF54	E
AKS 100-32EH	5	4	CLARKE	JU4H-UF34	F
				JU4H-UF54	F
				JU6H-UF34	G
				JU6H-UF54	G

REFER	A (cm)	B (cm)	C (cm)	D (cm)	E (cm)
A	170	75	63	10.5	40
B	180	75	65.5	10.5	40
C	200	85	73.5	10.5	48
D	200	85	76.5	12.5	48
E	210	85	76.5	14.5	48
F	220	85	80	14	48
G	230	85	80	14	48

NOTES

1. Pump's rotation is clockwise when viewed from the motor end.
2. Suction and discharge flanges are ASME 16.42 standard class 300.
3. Suction and discharge dimensions are in inches. All the other dimensions are in cm.