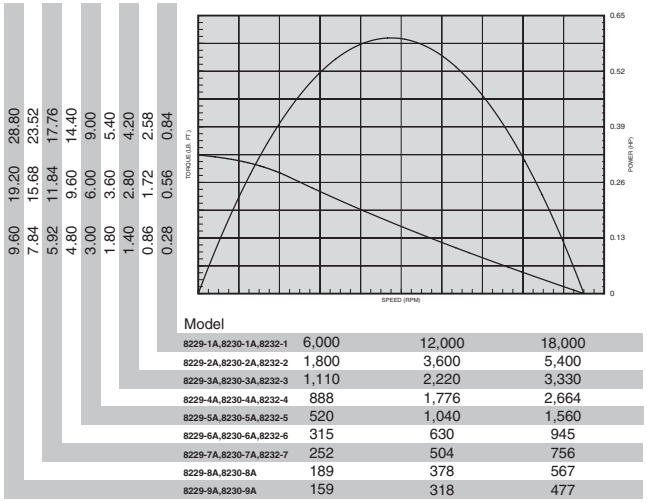
0–SERIES POWER MOTORS (WITH 0–SERIES GEARING)
SPECIFICATIONS



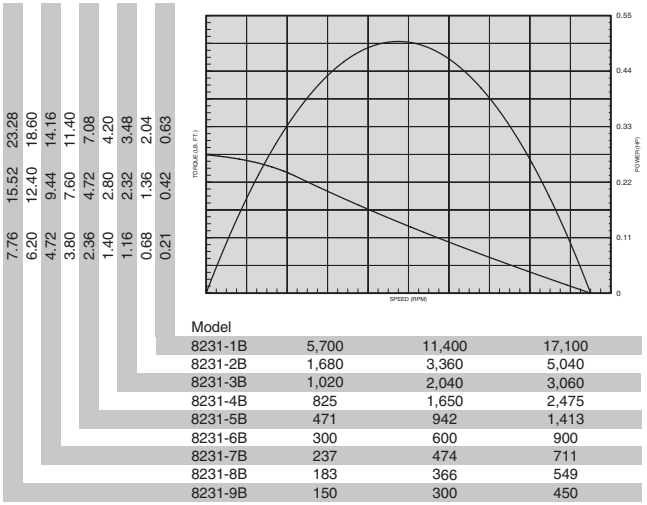
Model	Spindle	R.P.M.		Torque				Air Consumption at Free Speed		Sound Level at Free Speed	Weight		Gear Reduction
		Free Speed	Load Speed at Max. Hp	Stall		Output at Max. Hp							
				lb-ft	Nm	lb-ft	Nm	SCFM	L/s	dB(A)	lbs	kg	
NON-REVERSIBLE - 0.60 HP													
8230-1A	3/8″ Keyed	19,000	9,800	0.70	0.9	0.32	0.4	41	19.3	80	2.45	1.10	Single
8230-2A	3/8″ Keyed	5,700	2,900	2.5	2.9	1.10	1.5	41	19.3	80	2.45	1.10	Single
8230-3A	3/8″ Keyed	3,500	1,750	3.50	4.7	1.80	2.4	41	19.3	80	2.45	1.10	Single
8230-4A	3/8″ Keyed	2,800	1,400	4.50	6.1	2.20	3.0	41	19.3	80	2.45	1.10	Single
8230-5A	3/8″ Keyed	1,650	840	7.50	10.2	3.80	5.1	41	19.3	80	2.98	1.34	Double
8230-6A	3/8″ Keyed	1,000	500	12.00	16.3	6.20	8.4	41	19.3	80	2.98	1.34	Double
8230-7A	3/8″ Keyed	800	390	14.80	20.0	8.00	10.8	41	19.3	80	2.98	1.34	Double
8230-8A	3/8″ Keyed	600	315	19.60	26.5	10.00	13.5	41	19.3	80	2.98	1.34	Double
8230-9A	3/8″ Keyed	500	250	24.00	32.5	12.50	16.9	41	19.3	80	2.98	1.34	Double
8229-1A	3/8″-24 Th'd.	19,000	9,800	.70	0.9	0.32	0.4	41	19.3	80	2.45	1.10	Single
8229-2A	3/8″-24 Th'd.	5,700	2,900	2.15	2.9	1.10	1.5	41	19.3	80	2.45	1.10	Single
8229-3A	3/8″-24 Th'd.	3,500	1,750	3.50	4.7	1.80	2.4	41	19.3	80	2.45	1.10	Single
8229-4A	3/8″-24 Th'd.	2,800	1,400	4.50	6.1	2.20	3.0	41	19.3	80	2.45	1.10	Single
8229-5A	3/8″-24 Th'd.	1,650	840	7.50	10.2	3.80	5.1	41	19.3	80	2.98	1.34	Double
8229-6A	3/8″-24 Th'd.	1,000	500	12.00	16.3	6.20	8.4	41	19.3	80	2.98	1.34	Double
8229-7A	3/8″-24 Th'd.	800	390	14.80	20.0	8.00	10.8	41	19.3	80	2.98	1.34	Double
8229-8A	3/8″-24 Th'd.	600	315	19.60	26.5	10.00	13.5	41	19.3	80	2.98	1.34	Double
8229-9A	3/8″-24 Th'd.	500	250	24.00	32.5	12.50	16.9	41	19.3	80	2.98	1.34	Double
REVERSIBLE - 0.50 HP													
8231-1B	3/8″ Keyed	18,000	9,200	0.52	0.7	0.28	0.4	32	15.1	80*	2.45	1.10	Single
8231-2B	3/8″ Keyed	5,300	2,600	1.70	2.3	1.00	1.3	32	15.1	80*	2.45	1.10	Single
8231-3B	3/8″ Keyed	3,200	1,550	2.90	3.9	1.70	2.3	32	15.1	80*	2.45	1.10	Single
8231-4B	3/8″ Keyed	2,600	1,300	3.50	4.7	2.00	2.7	32	15.1	80*	2.45	1.10	Single
8231-5B	3/8″ Keyed	1,500	780	5.90	8.0	3.50	4.7	32	15.1	80*	2.98	1.34	Double
8231-6B	3/8″ Keyed	950	480	9.50	12.9	5.50	7.4	32	15.1	80*	2.98	1.34	Double
8231-7B	3/8″ Keyed	750	380	11.80	16.0	7.00	9.5	32	15.1	80*	2.98	1.34	Double
8231-8B	3/8″ Keyed	575	290	15.50	21.0	9.00	12.2	32	15.1	80*	2.98	1.34	Double
8231-9B	3/8″ Keyed	475	240	19.40	26.2	11.00	14.9	32	15.1	80*	2.98	1.34	Double

* Requires installation for reversible motors - shown on page 92.

0–SERIES POWER MOTORS (WITH 0–SERIES GEARING)



Model			
8229-1A,8230-1A,8232-1	6,000	12,000	18,000
8229-2A,8230-2A,8232-2	1,800	3,600	5,400
8229-3A,8230-3A,8232-3	1,110	2,220	3,330
8229-4A,8230-4A,8232-4	888	1,776	2,664
8229-5A,8230-5A,8232-5	520	1,040	1,560
8229-6A,8230-6A,8232-6	315	630	945
8229-7A,8230-7A,8232-7	252	504	756
8229-8A,8230-8A	189	378	567
8229-9A,8230-9A	159	318	477



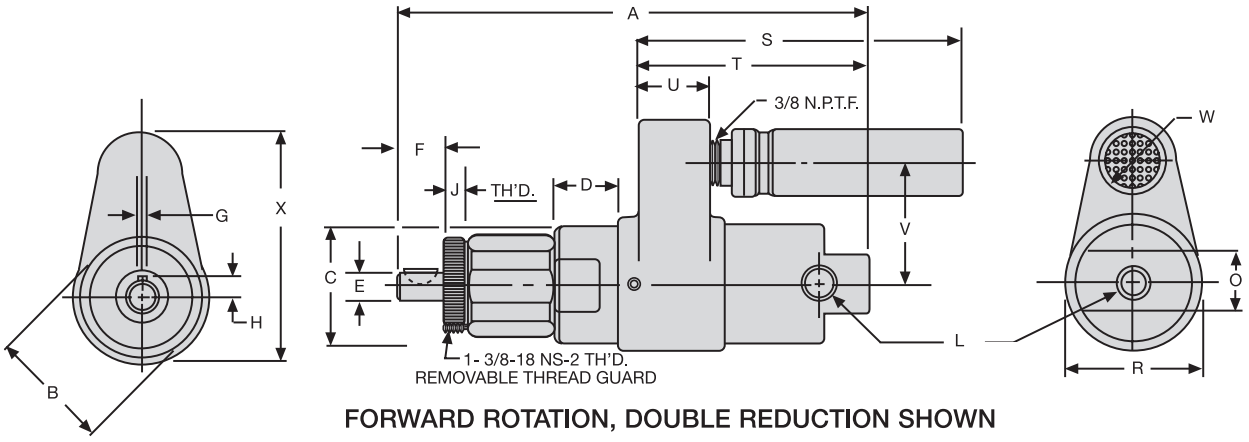
Model			
8231-1B	5,700	11,400	17,100
8231-2B	1,680	3,360	5,040
8231-3B	1,020	2,040	3,060
8231-4B	825	1,650	2,475
8231-5B	471	942	1,413
8231-6B	300	600	900
8231-7B	237	474	711
8231-8B	183	366	549
8231-9B	150	300	450

STANDARD EQUIPMENT

Steel motor housing, flush-type grease fittings at rotation points for gear and bearing lubrication, exhaust manifold rotatable within 360°, and muffler.

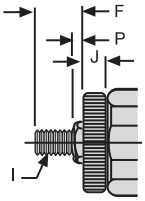
0–SERIES POWER MOTORS AND MOUNTING ACCESSORIES

DIMENSIONS

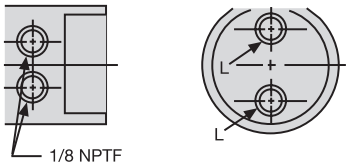


FORWARD ROTATION, DOUBLE REDUCTION SHOWN

Gear Reduction	Dimension A	
	Series 8231	Series 8229-8230
Double	$5^{5}/_{8}$ 143 mm	$5^{3}/_{4}$ 146 mm
Triple	$6^{15}/_{16}$ 176 mm	$7^{1}/_{16}$ 179 mm



THREADED SPINDLE



AIR INLETS, REVERSIBLE MOTORS

Scale	B	C	D	E	F	G	H	I	J	L
in	$1^{3}/_{4}$	1.730 1.740	0.960 0.980	0.3748 0.3751	0.688 0.740	0.0938 0.0948	0.228 0.238	3/8″-24 UNF-3A Thread	0.270 0.292	1/4″ Female NPTF Air Inlet
mm	44	43.94 44.20	24.38 24.89	9.52 9.53	17.48 18.80	2.38 2.41	5.79 6.05		6.86 7.42	

Scale	O	P	R	S	T - Forw.	T	U	V	W	X
in	7/8	0.163- 0.203	2	$4^{7}/_{8}$	$3^{13}/_{32}$	$3^{9}/_{32}$	$1^{1}/_{16}$	$1^{13}/_{16}$	1	$3^{7}/_{16}$
mm	22	4.14 5.16	51	124	86	83	27	46	25	87

0–SERIES POWER MOTORS (WITH 2200 SERIES GEARING)
SPECIFICATIONS

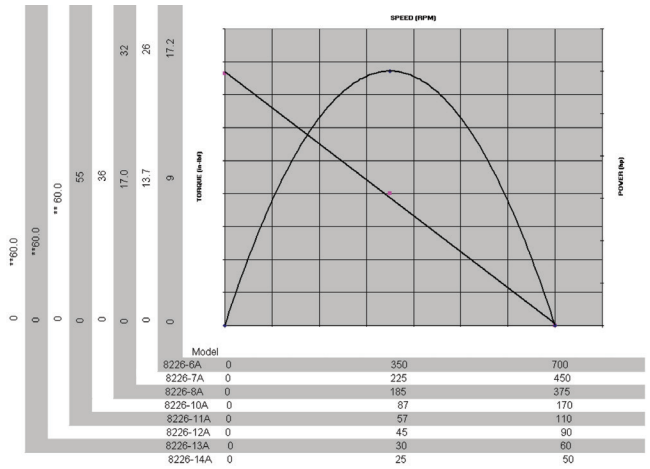


Model	Spindle	R.P.M.		Torque				Air Consumption at Free Speed		Sound Level at Free Speed	Weight		Gear Reduction
		Free Speed	Load Speed at Max. Hp	Stall		Output at Max. Hp							
				lb-ft	Nm	lb-ft	Nm	SCFM	L/s	dB(A)	lbs	kg	
NON-REVERSIBLE - 0.60 HP													
8226-6A	1/2″ Keyed	700	350	17.20	23.3	9.00	12.2	40.5	19.1	80	4.25	1.91	Double
8226-7A	1/2″ Keyed	450	225	26.00	35.2	13.70	18.6	40.5	19.1	80	4.25	1.91	Double
8226-8A	1/2″ Keyed	375	185	32.00	43.4	17.00	23.0	40.5	19.1	80	4.25	1.91	Double
8226-10A	1/2″ Keyed	170	87	60.00**	88.1	36.00	48.8	40.5	19.1	80	5.56	2.50	Triple
8226-11A**	1/2″ Keyed	110	57	60.00**	134.1	55.00	74.5	40.5	19.1	80	5.56	2.50	Triple
8226-12A**	1/2″ Keyed	90	45	60.00**	165.3	60.00**	94.8	40.5	19.1	80	5.56	2.50	Triple
8226-13A**	1/2″ Keyed	60	30	60.00**	249.3	60.00**	139.6	40.5	19.1	80	5.56	2.50	Triple
8226-14A**	1/2″ Keyed	50	25	60.00**	306.2	60.00**	169.4	40.5	19.1	80	5.56	2.50	Triple
REVERSIBLE - 0.50 HP													
8228-2B	1/2″ Keyed	3,200	1,550	2.90	3.9	1.70	2.3	30	14	80*	4.25	1.91	Double
8228-3B	1/2″ Keyed	2,600	1,300	3.50	4.7	2.00	2.7	30	14	80*	4.25	1.91	Double
8228-5B	1/2″ Keyed	800	420	11.20	15.2	6.30	8.5	30	14	80*	4.25	1.91	Double
8228-6B	1/2″ Keyed	650	330	13.80	18.7	8.00	10.8	30	14	80*	4.25	1.91	Double
8228-7B	1/2″ Keyed	425	220	20.00	27.1	12.00	16.3	30	14	80*	4.25	1.91	Double
8228-8B	1/2″ Keyed	350	185	25.00	33.9	14.00	19.0	30	14	80*	4.25	1.91	Double
8228-9B	1/2″ Keyed	200	105	45.00	61.0	25.00	33.9	30	14	80*	5.56	2.50	Triple
8228-10B	1/2″ Keyed	160	80	55.00	74.5	33.00	44.7	30	14	80*	5.56	2.50	Triple
8228-11B**	1/2″ Keyed	100	54	60.00**	81.3	48.00	65.0	30	14	80*	5.56	2.50	Triple
8228-12B**	1/2″ Keyed	85	43	60.00**	81.3	60.00**	81.3	30	14	80*	5.56	2.50	Triple
8228-13B**	1/2″ Keyed	50	28	60.00**	81.3	60.00**	81.3	30	14	80*	5.56	2.50	Triple
8228-14B**	1/2″ Keyed	40	22	60.00**	81.3	60.00**	81.3	30	14	80*	5.56	2.50	Triple

* Requires installation for reversible motors - shown on page 92.

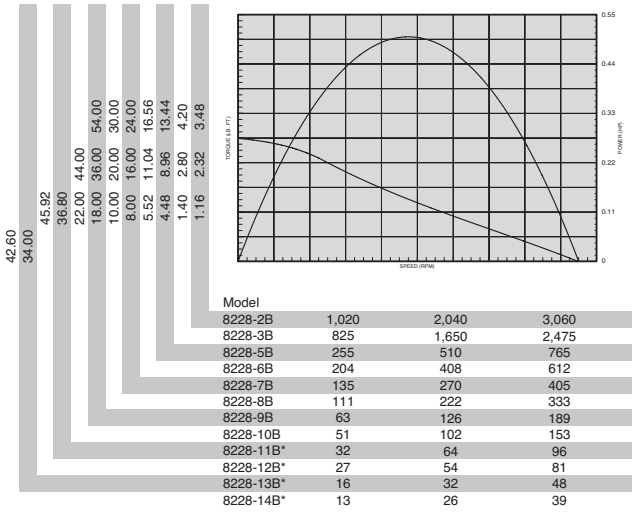
** NOTE: Maximum torque recommended for planetary gear system on these models requires shear key with 60 ft/lbs. shear strength.

0–SERIES POWER MOTORS (WITH 2200 SERIES GEARING)



Model			
8226-6A	0	350	700
8226-7A	0	225	450
8226-8A	0	185	375
8226-10A	0	87	170
8226-11A	0	57	110
8226-12A	0	45	90
8226-13A	0	30	60
8226-14A	0	25	50

***Note:** Maximum torque recommended for planetary gear system on these models is 60 ft/lbs



Model			
8228-2B	1,020	2,040	3,060
8228-3B	825	1,650	2,475
8228-5B	255	510	765
8228-6B	204	408	612
8228-7B	135	270	405
8228-8B	111	222	333
8228-9B	63	126	189
8228-10B	51	102	153
8228-11B*	32	64	96
8228-12B*	27	54	81
8228-13B*	16	32	48
8228-14B*	13	26	39

***Note:** Maximum torque recommended for planetary gear system on these models requires shear key with 60 ft/lbs shear strength.

STANDARD EQUIPMENT

Steel motor housing, flush-type grease fittings at rotation points for gear and bearing lubrication,exhaust manifold rotatable within 360°, and muffler.