

# Enhanced Recovery Systems Inc.

100 HP Electric / Mycom FMG160 Gas Screw Compressor Flow Table @3600 RPM

## DISCHARGE in P.S.I.G

| Pressure                                    | DISCHARGE in P.S.I.G |             |             |             |             |             |             |             |             |             |             |             |              |             |                |
|---|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|----------------|
|   | 90                   | 100         | 120         | 130         | 140         | 150         | 160         | 170         | 175         | 180         | 190         | 200         | 220          | 240         |                |
| S<br>U<br>C<br>T<br>I<br>O<br>N<br><br>PSIG | 0                    | 0.339<br>62 | 0.333<br>65 | 0.319<br>72 | 0.312<br>76 | 0.306<br>79 | 0.299<br>83 | 0.293<br>86 | 0.287<br>90 | 0.284<br>92 | 0.279<br>93 | 0.273<br>97 | 0.213<br>91  | 0.202<br>98 | 0.166<br>93    |
|   | 2                    | 0.393<br>63 | 0.387<br>66 | 0.372<br>73 | 0.365<br>77 | 0.358<br>80 | 0.352<br>84 | 0.346<br>87 | 0.339<br>91 | 0.336<br>93 | 0.333<br>95 | 0.325<br>98 | 0.255<br>92  | 0.243<br>98 | 0.202<br>94    |
|   | 4                    | 0.447<br>63 | 0.439<br>67 | 0.425<br>74 | 0.417<br>78 | 0.411<br>81 | 0.404<br>85 | 0.398<br>89 | 0.391<br>92 | 0.388<br>94 | 0.385<br>96 | 0.377<br>99 | 0.296<br>94  | 0.249<br>89 | 0.239<br>95    |
|   | 5                    | 0.473<br>64 | 0.466<br>68 | 0.451<br>75 | 0.443<br>78 | 0.436<br>82 | 0.429<br>86 | 0.424<br>89 | 0.417<br>93 | 0.414<br>95 | 0.411<br>96 | 0.323<br>91 | 0.318<br>94  | 0.268<br>90 | 0.257<br>96    |
|   | 6                    | 0.501<br>64 | 0.493<br>68 | 0.477<br>75 | 0.469<br>79 | 0.462<br>83 | 0.456<br>86 | 0.449<br>90 | 0.443<br>93 | 0.439<br>95 | 0.437<br>97 | 0.344<br>91 | 0.339<br>95  | 0.286<br>90 | 0.275<br>96    |
|   | 7                    | 0.527<br>65 | 0.519<br>68 | 0.504<br>76 | 0.495<br>79 | 0.488<br>83 | 0.482<br>87 | 0.476<br>90 | 0.469<br>94 | 0.466<br>96 | 0.463<br>98 | 0.365<br>92 | 0.359<br>95  | 0.304<br>91 | 0.294<br>97    |
|   | 8                    | 0.554<br>65 | 0.546<br>69 | 0.529<br>76 | 0.522<br>80 | 0.514<br>84 | 0.508<br>87 | 0.502<br>91 | 0.496<br>95 | 0.492<br>97 | 0.489<br>98 | 0.386<br>93 | 0.379<br>96  | 0.322<br>91 | 0.312<br>97    |
|   | 10                   | 0.607<br>66 | 0.599<br>70 | 0.583<br>77 | 0.574<br>81 | 0.566<br>85 | 0.559<br>88 | 0.554<br>92 | 0.548<br>96 | 0.544<br>98 | 0.433<br>90 | 0.427<br>94 | 0.422<br>97  | 0.359<br>92 | 0.348<br>98    |
|   | 12                   | 0.661<br>67 | 0.653<br>71 | 0.635<br>78 | 0.626<br>82 | 0.619<br>86 | 0.613<br>90 | 0.606<br>93 | 0.599<br>97 | 0.597<br>99 | 0.475<br>91 | 0.469<br>95 | 0.464<br>98  | 0.395<br>93 | 0.382<br>99    |
|   | 15                   | 0.741<br>68 | 0.733<br>72 | 0.714<br>80 | 0.705<br>84 | 0.697<br>87 | 0.691<br>91 | 0.684<br>95 | 0.678<br>99 | 0.539<br>91 | 0.537<br>93 | 0.532<br>96 | 0.526<br>100 | 0.449<br>94 | *****<br>***** |

-Above flowrates are calculated in mmscfd at 3600 RPM (Plus or minus 5%)

-Calculations are based on 0.70 specific gravity at 2500 elevation and 190 degrees F discharge temp.

-BRAKE HORSE POWER Plus or minus 5%

-100 hp Electric Drive

-COMPRESSOR LOAD FACTOR AT 80% CAPACITY

-COMPRESSOR LOAD FACTOR AT 70% CAPACITY